Fearch Update Elylog. 20 - (36 pp.)

•			r. pr	(17)
L Number	Hits		DB	Time stamp
1	774	( ( ) ) ( ) ( ) ( ) ( )	USPAT;	2004/08/11 09:56
		(257/155) or (257/156) or (257/163) or	US-PGPUB	
2	799	(257/164)).CCLS.		
4	/99	((257/107) or (257/109) or (257/110) or (257/155) or (257/156) or (257/163) or	USPAT;	2004/08/11 09:58
		(257/164) or (257/165)).CCLS.	US-PGPUB	
3	972	((257/104) or (257/103)).ccls. ((257/107) or (257/109) or (257/110) or	USPAT;	2004/08/11 09:58
		(257/137) or (257/138) or (257/155) or	US-PGPUB	2004/08/11 09:58
		(257/156) or (257/163) or (257/164) or	00 1010B	ľ
		(257/165)).CCLS.		
4	44	(((257/107) or (257/109) or (257/110) or	USPAT;	2004/08/11 10:01
		(257/137) or (257/138) or (257/155) or	US-PGPUB;	
		(257/156) or (257/163) or (257/164) or	EPO; JPO;	
-	i	(257/165)).CCLS.) and (deep ioni?ation adj	DERWENT;	1
6	7	energ\$3) near6 (dop\$3 impurit\$3) 761241.ap.	IBM_TDB	0004/00/11 10 00
10	′	761241.ap.	USPAT; US-PGPUB;	2004/08/11 10:02
			EPO; JPO;	
	i		DERWENT;	ľ
			IBM TDB	
[ -	157	257/144	USPAT;	2003/11/08 11:14
			US-PGPUB;	
			EPO; JPO;	
]			DERWENT;	
j_	247	257/152	IBM_TDB	
1 -	247	257/152	USPAT;	2001/06/08 10:54
			US-PGPUB;	
			EPO; JPO; DERWENT;	
1			IBM TDB	
-	172	257/163	USPAT;	2001/06/08 10:54
			US-PGPUB;	2001,00,00 10.54
			EPO; JPO;	1
		·	DERWENT;	1
1_	117	257/264	IBM_TDB	ĺ
-	117	257/164	USPAT;	2001/06/08 10:56
	ĺ		US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	76	257/165	USPAT:	2001/06/08 10:54
			US-PGPUB;	
	1		EPO; JPO;	
1			DERWENT;	
_	616	(257/110 or 257/144 or 257/152 or 257/163	IBM_TDB	0001/06/10 ===
	510	or 257/164 or 257/165) and @pd<19980717	USPAT; US-PGPUB;	2001/06/10 12:46
}		11, 101 01 001/100/ and epax13360/1/	EPO; JPO;	
			DERWENT;	
]			IBM TDB	
j -	4	((257/110 or 257/144 or 257/152 or 257/163	USPAT;	2001/06/08 12:10
	ļ	or 257/164 or 257/165) and @pd<19980717)	US-PGPUB;	
	ľ	and (selenium or sulfur)	EPO; JPO;	
	ļ		DERWENT;	
]_	616	(257/110 or 257/144 or 257/152 or 257/163	IBM_TDB	0001/06/00 15
	010	or 257/164 or 257/165) and @pd<19980717	USPAT;	2001/06/08 13:49
	İ	, 20. 02 201/100/ and epa<13300/1/	US-PGPUB; EPO; JPO;	
			DERWENT;	
] [	[		IBM TDB	
-	576	(257/110 or 257/144 or 257/152 or 257/163	USPĀT;	2001/06/10 13:54
ļ l	İ	or 257/164 or 257/165) and @pd<19970717	US-PGPUB;	
			EPO; JPO;	
	ſ		DERWENT;	
_	169	//257/110 or 257/144 or 257/150	IBM_TDB	000110
	103	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717)	USPAT;	2001/06/10 14:38
ľ	ļ	and (stop\$5 or buffer\$3 or phosphor\$2 or	US-PGPUB; EPO; JPO;	
	ŀ	arsenic)	DERWENT;	
	_	,	IBM TDB	
	1_		100	

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_	5	stop\$4 adj2 buffer and thyristor\$1	USPAT; US-PGPUB;	2001/06/10 14:38
			EPO; JPO;	
İ			DERWENT;	
_	25	((257/110 or 257/144 or 257/152 or 257/163	IBM_TDB USPAT;	2001/06/10 15:00
	23	or 257/164 or 257/165) and @pd<19970717)	US-PGPUB;	2001/00/10 13:00
		and (stop\$5 or buffer\$3) and (phosphor\$2	EPO; JPO;	
		or arsenic)	DERWENT;	
	5		IBM_TDB	0004/06/40 45 45
-	3	energy adj level\$1 near (phosphorus or arsenic or selenium or sulfur) near dop\$4	USPAT; US-PGPUB;	2001/06/10 15:47
		albeille of belefitati of bulluly near dopy	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1	ionization adj energy near (phosphorus or arsenic or selenium or sulfur) near dop\$4	USPAT;	2001/06/10 16:42
		alsenic of selenium of sulfur, hear dops4	US-PGPUB; EPO; JPO;	
1			DERWENT;	
,			IBM_TDB	
-	292	(sulfur with selenium) and 257/\$3.ccls.	USPAT;	2001/06/11 07:40
		·	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	57	(	USPAT;	2001/06/10 16:49
		and emitter\$1	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	89	(sulfur with selenium) and 257/\$3.ccls.	USPAT;	2001/06/10 16:52
		and band adj gap	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
i –	14		USPAT;	2001/06/10 18:56
		and emitter\$1) and ((sulfur with selenium)	US-PGPUB;	,,
		and 257/\$3.ccls. and band adj gap)	EPO; JPO;	
	}		DERWENT; IBM TDB	
-	4	(((sulfur with selenium) and 257/\$3.ccls.	USPAT;	2001/06/11 07:34
		and emitter\$1) and ((sulfur with selenium)	US-PGPUB;	,
		and 257/\$3.ccls. and band adj gap)) and	EPO; JPO;	
		dopant and (buffer or stop\$4)	DERWENT;	
-	2	ionization adj energ\$3 with sulfur with	IBM_TDB USPAT;	2001/06/10 17:07
		(dopant or impurit\$3 or foreign)	US-PGPUB;	2001/00/10 17:07
			EPO; JPO;	
	ĺ		DERWENT;	
	37	dopant and (selenium or sulfur) and	IBM_TDB USPAT;	2001/06/10 17:59
		emitter and (buffer adj layer or stop\$4	US-PGPUB;	
		adj zone)	EPO; JPO;	
			DERWENT;	
_	0	(buffer adj layer or stop\$4 adj zone) same	IBM_TDB USPAT;	2001/06/10 18:01
	1	dopant same (selenium or sulfur) same	US-PGPUB;	2001/00/10 10:01
		ionization adj energ\$3	EPO; JPO;	
			DERWENT;	ĺ
-	0	(buffer adj layer or stop\$4 adj zone) same	IBM_TDB USPAT;	2001/06/10 10:01
	ĭ	(selenium or sulfur) same ionization adj	US-PGPUB;	2001/06/10 18:01
ľ	1	energ\$3	EPO; JPO;	
			DERWENT;	
_	3	(dopant or impurit\$3) same (selenium or	IBM_TDB	2001/06/12 12 22
	٦	sulfur) same ionization adj energ\$3	USPAT; US-PGPUB;	2001/06/10 18:02
			EPO; JPO;	
ļ			DERWENT;	
			IBM_TDB	

	7	buffer adj layer with dopant with (sulfur or selenium)	USPAT; US-PGPUB;	2001/06/10 18:26
			EPO; JPO; DERWENT;	
	_		IBM_TDB	
-	0	stop adj zone with dopant with (sulfur or selenium)	USPĀT;	2001/06/10 18:26
		selenium)	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	7	((sulfur with selenium with dopant) and 257/\$3.ccls. and emitter\$1) and	USPAT; US-PGPUB;	2001/06/10 18:56
		(257/\$3.ccls. and band adj gap)	EPO; JPO;	
			DERWENT;	
_	44720	ionization energ\$3 with sulfur with	IBM_TDB	0001/06/11 07 40
ł	44720	selenium	USPAT; US-PGPUB;	2001/06/11 07:42
			EPO; JPO;	
			DERWENT;	
_	44672	ionization energ\$3 with sulfur with	IBM_TDB	2001/06/11 07 40
	44072	selenium with dopant\$1	USPAT; US-PGPUB;	2001/06/11 07:42
	1		EPO; JPO;	
			DERWENT;	
_	1	ionization adj energ\$3 with sulfur with	IBM_TDB USPAT;	2001/06/11 07 42
1		selenium with dopant\$1	US-PGPUB;	2001/06/11 07:43
			EPO; JPO;	
1			DERWENT;	
]_	2	5574297.pn.	IBM_TDB USPAT;	2001/06/11 07-55
		0011237.pm.	US-PGPUB;	2001/06/11 07:55
			EPO; JPO;	
	1		DERWENT;	
_	2	5359220.pn.	IBM_TDB USPAT;	2001/06/11 08:02
			US-PGPUB;	2001/06/11 08:02
			EPO; JPO;	
			DERWENT;	
_	3	5528058.pn.	IBM_TDB USPAT;	2001/06/11 08:03
		-	US-PGPUB;	2001/00/11 00:03
			EPO; JPO;	
			DERWENT; IBM TDB	
_	1686	dopant with phosphorus with type	USPAT;	2001/06/11 08:04
		. *** 	US-PGPUB;	112, 20, 22 00.01
			EPO; JPO;	
,			DERWENT; IBM TDB	
-	1454	dopant with phosphorus with n adj2 type	USPĀT;	2001/06/11 08:07
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	205	dopant with phosphorus with n+	USPĀT;	2001/06/11 08:10
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	131	(dopant with phosphorus with n+) and @pd<19970717	USPAT;	2001/06/11 08:11
	į l	6ba/13310111	US-PGPUB; EPO; JPO;	
	]		DERWENT;	
_	] 720	057/110	IBM_TDB	ļ
_	738	257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165	USPAT;	2002/01/26 18:35
		OT 501/104 OT 501/100	US-PGPUB; EPO; JPO;	
			DERWENT;	
	L		IBM_TDB	

-	1	(257/110 or 257/144 or 257/152 or 257/163	USPAT;	2002/01/26 18:39
		or 257/164 or 257/165) and ((stop adj zone	US-PGPUB;	
		near15 active) near15 (off-state or off	EPO; JPO;	
		adj state))	DERWENT;	
_	1	(257/110 or 257/144 or 257/152 or 257/163	IBM_TDB USPAT;	2002/01/26 18:41
ļ	1	or 257/164 or 257/165) and ((stop\$4 adj	US-PGPUB;	2002/01/26 18:41
	-	zone near15 active) near15 (off-state or	EPO; JPO;	
		off adj state))	DERWENT;	
			IBM TDB	
-	1		USPAT;	2002/01/26 19:11
		or 257/164 or 257/165) and ((zone near15	US-PGPUB;	
		active) near15 (off-state or off adj	EPO; JPO;	
		state))	DERWENT;	
		5500050	IBM_TDB	
-	3	5528058.pn.	USPAT;	2002/01/27 15:26
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	!
_	3	5357130.pn.	USPAT;	2002/01/27 12:44
1		000 / 100 · pii.	US-PGPUB;	2002/01/2/ 12:44
			EPO; JPO;	
			DERWENT;	[
			IBM TDB	
-	0	1 3 3 5 5 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	USPAT;	2002/01/27 12:48
	ļ	or OFF-state or "on state" or "off state")	US-PGPUB;	
			EPO; JPO;	i
			DERWENT;	
_	31	donant noam12 ionimatica add assess	IBM_TDB	
	31	dopant near12 ionization adj energy	USPAT;	2002/01/27 12:58
			US-PGPUB;	1
			EPO; JPO; DERWENT;	
			IBM TDB	
-	5	(igbt or mct).ti,ab. and ((dopant or	USPAT;	2002/01/27 13:11
	İ	impurity or impurities) near12 (indium or	US-PGPUB;	2002/01/2/ 13:11
		tellurium))	EPO; JPO;	1
			DERWENT;	
			IBM_TDB	İ
-	9	semiconductor.ti,ab. and ((dopant or	USPAT;	2002/01/27 14:21
		impurity or impurities) same (indium or tellurium) same ionization)	US-PGPUB;	
		cerrurium, same ionization)	EPO; JPO;	
			DERWENT;	
_	0	(((sulfur or selenium) near12 "on-state	IBM_TDB USPAT;	2002/01/27 14:23
		voltage") same (dopant or impurit\$3)) and	US-PGPUB;	2002/01/2/ 14:23
		semiconductor.ti,ab.	EPO; JPO;	
	1		DERWENT;	
1	_		IBM_TDB	
-	5	Transfer of Continuent incurred to the state	USPĀT;	2002/01/27 14:27
		or voltage) same (dopant or impurit\$3))	US-PGPUB;	İ
1		and semiconductor.ti,ab.	EPO; JPO;	
1			DERWENT;	
_	0	(((sulfur or selenium) near12 (ionization	IBM_TDB USPAT;	2002/01/27 14 27
1		adj (energy or potential))) near12	US-PGPUB;	2002/01/27 14:31
	]	(impurit\$3 or dop\$3)) same ((on-state or	EPO; JPO;	
		on adj state) adj2 voltage)	DERWENT;	
		-	IBM TDB	
-	2	((sulfur or selenium) near12 (ionization	USPAT;	2002/01/27 14:46
		adj (energy or potential))) near12	US-PGPUB;	
	]	(impurit\$3 or dop\$3)	EPO; JPO;	
			DERWENT;	
_	0	((selenium or sulfur) near12 on-state adj	IBM_TDB	2002/01/25
	]	voltage) and (thyristor or mct or	USPAT; US-PGPUB;	2002/01/27 14:48
		igbt).ti,ab.	EPO; JPO;	
	f		DERWENT;	1
<u></u>			IBM TDB	

-	35	(selenium or sulfur) and (thyristor or mct or igbt).ti,ab.	USPAT; US-PGPUB;	2002/01/27 14:48
		01 1920, 101, 421	EPO; JPO;	
			DERWENT;	
_	2	((selenium or sulfur) same (dopant or	IBM_TDB USPAT:	2002/01/27 14:49
	-	impurit\$3)) and (thyristor or met or	US-PGPUB;	2002/01/2/ 14:49
ļ		igbt).ti,ab.	EPO; JPO;	
			DERWENT;	
_	40	((blocking or stop\$4) adj2 (zone or layer)	IBM_TDB USPAT;	2002/01/27 15:28
		same emitter) and thyristor.ti,ab.	US-PGPUB;	2002/01/27 13.20
			EPO; JPO;	
			DERWENT; IBM TDB	
-	13	((blocking or stop\$4) adj2 (zone or layer)	USPAT;	2002/01/27 15:29
ĺ		same emitter) same voltage and	US-PGPUB;	1000,01,0, 10129
		thyristor.ti,ab.	EPO; JPO;	
		•	DERWENT; IBM TDB	
-	0	(((blocking or stop\$4) adj2 (zone or	USPAT;	2002/01/27 15:30
		layer) same emitter) same voltage same	US-PGPUB;	
ĺ		on-state) and thyristor.ti,ab.	EPO; JPO; DERWENT;	
			IBM TDB	
-	0	(((blocking or stop\$4) adj2 (zone or	USPAT;	2002/01/27 15:30
	1	layer) same emitter) same voltage same "on") and thyristor.ti,ab.	US-PGPUB;	
		on ) and thyristor.tr, ab.	EPO; JPO; DERWENT;	
			IBM TDB	
] -	5	1 ( ( ( LONG OF	USPAT;	2002/01/27 15:32
		layer) same emitter) same voltage) and thyristor.ti,ab. and power	US-PGPUB;	
		digitator.cr/ub. and power	EPO; JPO; DERWENT;	i
	1	((0.2 ))	IBM_TDB	
-	1	(((blocking or stop\$4) adj2 (zone or layer) same emitter) same voltage) and	USPAT;	2002/01/27 15:49
		thyristor.ti,ab. and power and (dopant or	US-PGPUB; EPO; JPO;	
		impurit\$3)	DERWENT;	
_	3	5710445.pn.	IBM_TDB	0000 (01 (05 )
	]	3/10443.pn.	USPAT; US-PGPUB;	2002/01/27 15:54
			EPO; JPO;	
			DERWENT;	
-	1	((selenium or sulfur) near12 (dopant or	IBM_TDB USPAT;	2002/01/27 15:56
		impurity)) and thyristor.ti,ab.	US-PGPUB;	2002/01/2/ 15:56
			EPO; JPO;	
			DERWENT;	
-	0	((selenium or sulfur) near12 ionization	IBM_TDB USPAT;	2002/01/27 15:57
		adj (potential or energy)) and thyristor	US-PGPUB;	12, 12, 2, 10, 0,
			EPO; JPO;	
			DERWENT; IBM TDB	
-	0	((selenium or sulfur) near12 ionization	USPĀT;	2002/01/27 15:58
		adj (potential or energy)) and barrier adj layer	US-PGPUB;	
		,	EPO; JPO; DERWENT;	
		(22)	IBM_TDB	
-	20	(selenium or sulfur) near12 ionization adj (potential or energy)	USPAT;	2002/01/27 15:58
		(Formeral of energy)	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	2	(selenium or sulfur) near12 ionization adj	IBM_TDB	2000/04/65
		(potential or energy) and	USPAT; US-PGPUB;	2002/01/27 16:02
		semiconductor.ti,ab.	EPO; JPO;	
			DERWENT;	
<u> </u>			IBM_TDB	

	1		USPAT;	2002/01/27 16:04
		(potential or energy) and (ight or	US-PGPUB;	
-		thyristor or mosfet) and	EPO; JPO;	
		semiconductor.ti,ab.	DERWENT;	
	2	(solonium or gulfum) noom12 ionimation adi	IBM_TDB USPAT;	2002/01/27 16:05
		(selenium or sulfur) near12 ionization adj (potential or energy) and (igbt or	US-PGPUB;	2002/01/2/ 16:05
		thyristor or mosfet or	EPO; JPO;	
		semiconductor).ti,ab.	DERWENT;	
			IBM TDB	
-	27	((selenium or sulfur) near12 (barrier adj	USPAT;	2002/01/27 16:06
		layer)) and (ight or thyristor or mosfet	US-PGPUB;	
		or semiconductor).ti,ab.	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	9	( \	USPAT;	2002/01/27 16:11
		layer)) and (ight or thyristor or mosfet	US-PGPUB;	
		or semiconductor).ti,ab.	EPO; JPO;	
İ			DERWENT;	
_	0	((selenium or sulfur) near5 (barrier adj	IBM_TDB USPAT;	2002/01/27 16:08
		layer)) and (ight or mosfet or	US-PGPUB;	2002/01/2/ 16:08
		semiconductor).ti,ab. and thyristor.ti.	EPO; JPO;	
1		,,	DERWENT;	]
1			IBM TDB	
-	0	( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	USPAT;	2002/01/27 16:08
		layer)) and thyristor.ti.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	1
		(/1	IBM_TDB	
-	0	( ( o o o o o o o o o o o o o o o o o	USPAT;	2002/01/27 16:09
	]	layer)) and thyristor.ti,ab.	US-PGPUB;	1
			EPO; JPO;	
			DERWENT; IBM TDB	
-	1 0	((selenium or sulfur) near5 (barrier adj	USPAT;	2002/01/27 16:09
		layer)) and (mct or thyristor or	US-PGPUB;	2002/01/2/ 10.09
		igbt).ti,ab.	EPO; JPO;	
	ł		DERWENT;	ŀ
			IBM_TDB	
-	1	((selenium or sulfur) near5 (dopant or	USPAT;	2002/01/27 16:12
		impurity) near5 (barrier adj layer))	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	Į į
_	0	((selenium or sulfur) near5 (dopant or	USPAT;	2002/01/27 16:13
1		impurity) near5 (barrier adj layer)) and	US-PGPUB;	2002/01/2/ 10.13
		silicon adj substrate	EPO; JPO;	]
		-	DERWENT;	
			IBM_TDB	
-	71	((selenium or sulfur) near5 (dopant or	USPĀT;	2002/01/27 16:14
		impurity)) and silicon adj substrate	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	3	((selenium or sulfur) near5 (dopant or	IBM_TDB USPAT;	2002/01/07 16 2:
		impurity)) and ionization adj (energy or	USPAT; US-PGPUB;	2002/01/27 16:24
		potential) and silicon adj substrate	EPO; JPO;	
		,	DERWENT;	1
			IBM TDB	
-	15	(low-noise or low adj noise) adj2	USPAT;	2002/01/27 16:26
		semiconductor and power adj2 semiconductor	US-PGPUB;	
]			EPO; JPO;	
			DERWENT;	
[ _	33	///low-noise on lowed-to-to-	IBM_TDB	0000 (05 (5=
	33	(((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab.	USPAT;	2002/01/27 16:28
		power, heard Semiconductor). 11, ab.	US-PGPUB;	
]		İ	EPO; JPO; DERWENT;	
Į			IBM TDB	İ
			TD11 1 DD	

	_			
-	0	( ( (	USPAT;	2002/01/27 16:28
		power) near5 semiconductor).ti,ab. and	US-PGPUB;	
		thyristor	EPO; JPO;	
			DERWENT;	
1_	3	(((low-noise or low adj noise) near5	IBM_TDB	2002/01/27 16:20
-	3	power) near5 semiconductor adj	USPAT;	2002/01/27 16:30
		device).ti,ab.	US-PGPUB; EPO; JPO;	
		device, . e1, ab.	DERWENT;	
			IBM TDB	
_	25	((low-noise or low adj noise) near5	USPAT:	2002/01/27 17:05
		power).ti,ab. and 257/\$6.ccls.	US-PGPUB;	2002,01,2, 1,103
		•	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2	( \= - ::	USPAT;	2002/05/02 15:26
		power).ti,ab. and 257/\$6.ccls. and	US-PGPUB;	
	1	(thyristor or igbt or insulated gate adj	EPO; JPO;	
		bipolar adj transistor or mct)	DERWENT;	į.
			IBM_TDB	
-	2	jp-02105578\$-\$.did.	USPAT;	2002/01/27 17:06
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1_	458	stop adj zone	IBM TDB	2002/05/21 15 5
	4.50	Scop adj zone	USPAT;	2002/05/01 16:36
			US-PGPUB; EPO; JPO;	
			DERWENT;	1
			IBM TDB	
_	2	(stop adj zone) and (((257/110) or	USPAT;	2002/05/01 16:36
	_	(257/144) or (257/152) or (257/163) or	US-PGPUB;	2002/05/01 10.50
		(257/164) or (257/165)).CCLS.)	EPO; JPO;	
		•	DERWENT;	
			IBM TDB	
-	586		USPAT;	2002/05/01 20:30
	ĺ	(257/163) or (257/164) or (257/165)).CCLS.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		1 66	IBM_TDB	
-	60		USPAT;	2002/05/01 17:19
		or (257/144) or (257/152) or (257/163) or	US-PGPUB;	
		(257/164) or (257/165)).CCLS.)	EPO; JPO;	
			DERWENT;	
-	29	(buffer adj (layer or film) and	<pre>IBM_TDB USPAT;</pre>	2002/05/01 17:20
		(((257/110) or (257/144) or (257/152) or	US-PGPUB;	2002/03/01 17:20
		(257/163) or (257/164) or	EPO; JPO;	
		(257/165)).CCLS.)) and (sulfur or s or	DERWENT;	
		selenium or se)	IBM TDB	
-	0	((buffer adj (layer or film) and	USPĀT;	2002/05/01 17:21
		(((257/110) or (257/144) or (257/152) or	US-PGPUB;	
		(257/163) or (257/164) or	EPO; JPO;	
		(257/165)).CCLS.)) and (sulfur or s or	DERWENT;	
		selenium or se)) and (buffer near12	IBM_TDB	
_	3	<pre>(selenium or se or s or sulfur)) ((buffer adj (layer or film) and</pre>	IIODAM	0000/05/55
		(((257/110) or (257/144) or (257/152) or	USPAT;	2002/05/01 17:25
		((257/163) or (257/164) or (257/163) or	US-PGPUB; EPO; JPO;	
	İ	(257/165)).CCLS.)) and (sulfur or s or	DERWENT;	
		selenium or se)) and (buffer same	IBM TDB	
ĺ		(selenium or se or s or sulfur))	-2100	
-	0	((buffer adj (layer or film) and	USPAT;	2002/05/01 17:23
	]	(((257/110) or (257/144) or (257/152) or	US-PGPUB;	
		(257/163) or (257/164) or	EPO; JPO;	
}	ļ	(257/165)).CCLS.)) and (sulfur or s or	DERWENT;	
		selenium or se)) and (buffer same	IBM_TDB	
		(selenium or se or sulfur))		

-	0	((buffer adj (layer or film) and	USPAT;	2002/05/01 17:27
		(((257/110) or (257/144) or (257/152) or	US-PGPUB;	
		(257/163) or (257/164) or	EPO; JPO;	
		(257/165)).CCLS.)) and (sulfur or s or	DERWENT;	
		selenium or se)) and ((buffer near15	IBM TDB	
1	·	(dop\$3 or impurit\$3)) same ioniz\$5)	_	
-	0	((buffer adj (layer or film) and	USPAT;	2002/05/01 17:28
		(((257/110) or (257/144) or (257/152) or	US-PGPUB;	
		(257/163) or (257/164) or	EPO; JPO;	
	İ	(257/165)).CCLS.)) and (sulfur or s or	DERWENT;	
		selenium or se)) and ((buffer near15	IBM TDB	
		(selenium or sulfur)))		
-	77	1	USPAT;	2002/05/02 11:40
		US-RE32784-\$ or US-4851889-\$ or	US-PGPUB;	2002,00,02 11.10
		US-4914496-\$ or US-4963972-\$ or	JPO	1
		US-5065211-\$ or US-5068704-\$ or	010	
		US-5381025-\$ or US-5401985-\$ or		1
		US-5429953-\$ or US-5444271-\$ or		
		US-5444272-\$ or US-5461242-\$ or		
1		US-5477064-\$ or US-5486709-\$ or		
		US-5498884-\$ or US-5525816-\$ or		
		US-5528058-\$ or US-5543639-\$ or		
		1		
		US-5569941-\$ or US-5610415-\$ or		
		US-5637888-\$ or US-5644150-\$ or		
		US-5659185-\$ or US-5091766-\$).did. or		
	İ	(US-5124772-\$ or US-5202750-\$ or		
		US-5210432-\$ or US-5245202-\$ or		
	1	US-5293054-\$ or US-5304821-\$ or		
		US-5306930-\$ or US-5336907-\$ or		
		US-5365477-\$ or US-5371385-\$ or		
		US-5378903-\$ or US-5661314-\$ or		
		US-5679966-\$ or US-5684306-\$ or		
		US-5705835-\$ or US-5710445-\$ or		
		US-5719413-\$ or US-5793066-\$ or		
		US-5796124-\$ or US-5844258-\$ or		
		US-5894149-\$ or US-5923055-\$ or		
		US-5936267-\$ or US-6020623-\$ or		
	] [	US-6054728-\$ or US-RE36818-\$ or		
		US-6107649-\$).did. or (US-6111278-\$ or		
		US-6111290-\$ or US-6169299-\$ or		
		US-6198115-\$ or US-6218217-\$ or	ļ	
		US-6271545-\$ or US-6278140-\$ or	1	
		US-6313485-\$ or US-4032958-\$ or		
		US-4053921-\$ or US-4062032-\$ or		
		US-3337782-\$ or US-3470036-\$).did. or		
		(US-20010005024-\$ or		ĺ
		US-20020024056-\$).did. or (JP-06061479-\$	]	
		or JP-06151825-\$ or JP-01270352-\$ or		
		JP-02296370-\$ or JP-03070176-\$ or		
	]	JP-03116874-\$ or JP-04240775-\$ or		
		JP-04317375-\$ or JP-04357875-\$).did.		
		01 0101/0/0 P OI OI 0100/0/0/0/0/0/0.	L	

-   2	((US-4717940-\$ or US-4760431-\$ or	USPAT;	2002/05/01 20:34
	US-RE32784-\$ or US-4851889-\$ or	US-PGPUB;	
	US-4914496-\$ or US-4963972-\$ or	EPO; JPO;	
	US-5065211-\$ or US-5068704-\$ or	DERWENT;	
l İ	US-5381025-\$ or US-5401985-\$ or	IBM_TDB	
	US-5429953-\$ or US-5444271-\$ or		
1	US-5444272-\$ or US-5461242-\$ or		
	US-5477064-\$ or US-5486709-\$ or	1	
	US-5498884-\$ or US-5525816-\$ or		
	US-5528058-\$ or US-5543639-\$ or		1
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	US-5637888-\$ or US-5644150-\$ or		
	US-5659185-\$ or US-5091766-\$).did. or		
	(US-5124772-\$ or US-5202750-\$ or		
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	US-5378903-\$ or US-5661314-\$ or	ł	
	US-5679966-\$ or US-5684306-\$ or		
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	US-5719413-\$ or US-5793066-\$ or		
1	US-5796124-\$ or US-5844258-\$ or		
	US-5894149-\$ or US-5923055-\$ or		
	US-5936267-\$ or US-6020623-\$ or		
	US-6054728-\$ or US-RE36818-\$ or		
	US-6107649-\$).did. or (US-6111278-\$ or		
[	US-6111290-\$ or US-6169299-\$ or		
	US-6198115-\$ or US-6218217-\$ or	1	
[	US-6271545-\$ or US-6278140-\$ or		
ļ	US-6313485-\$ or US-4032958-\$ or		
į į	US-4053921-\$ or US-4062032-\$ or		
	US-3337782-\$ or US-3470036-\$).did. or		
	(US-20010005024-\$ or		
	US-20020024056-\$).did. or (JP-06061479-\$		
	or JP-06151825-\$ or JP-01270352-\$ or		
	JP-02296370-\$ or JP-03070176-\$ or		
	JP-03116874-\$ or JP-04240775-\$ or		
	JP-04317375-\$ or JP-04357875-\$).did.) and		
	(block\$3 or buffer or stop\$4) adj (region		
	or film or layer) and ionization		

1	((US-4717940-\$ or US-4760431-\$ or	USPAT;	2002/05/01 20:43
	US-RE32784-\$ or US-4851889-\$ or	US-PGPUB;	Ĭ
1	US-4914496-\$ or US-4963972-\$ or	EPO; JPO;	
1 1	US-5065211-\$ or US-5068704-\$ or	DERWENT;	
1 1 1	US-5381025-\$ or US-5401985-\$ or	IBM_TDB	
	US-5429953-\$ or US-5444271-\$ or		
	US-5444272-\$ or US-5461242-\$ or		
1	US-5477064-\$ or US-5486709-\$ or	•	1
	US-5498884-\$ or US-5525816-\$ or		
	US-5528058-\$ or US-5543639-\$ or		
	US-5569941-\$ or US-5610415-\$ or		
	US-5637888-\$ or US-5644150-\$ or		
	US-5659185-\$ or US-5091766-\$).did. or		1
1 1	(US-5124772-\$ or US-5202750-\$ or		
1	US-5210432-\$ or US-5245202-\$ or		1
	US-5293054-\$ or US-5304821-\$ or		
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	US-5365477-\$ or US-5371385-\$ or		
	JS-5378903-\$ or US-5661314-\$ or		
	US-5679966-\$ or US-5684306-\$ or		
	US-5705835-\$ or US-5710445-\$ or		
	JS-5719413-\$ or US-5793066-\$ or		
	JS-5796124-\$ or US-5844258-\$ or		
	JS-5894149-\$ or US-5923055-\$ or		
[ [	JS-5936267-\$ or US-6020623-\$ or		
[	JS-6054728-\$ or US-RE36818-\$ or		
	JS-6107649-\$).did. or (US-6111278-\$ or		
[	JS-6111290-\$ or US-6169299-\$ or		
J   T	JS-6198115-\$ or US-6218217-\$ or		
	JS-6271545-\$ or US-6278140-\$ or		
	JS-6313485-\$ or US-4032958-\$ or		
	JS-4053921-\$ or US-4062032-\$ or		
"	JS-3337782-\$ or US-3470036-\$).did. or		
	(US-20010005024-\$ or		
"	JS-20020024056-\$).did. or (JP-06061479-\$		
	or JP-06151825-\$ or JP-01270352-\$ or		
	IP-02296370-\$ or JP-03070176-\$ or		
	P-03116874-\$ or JP-04240775-\$ or		
J	P-04317375-\$ or JP-04357875-\$).did.) and		
[ (	block\$3 or buffer or stop\$4) adj (region		
0	or film or layer) and (energy adj level or		
	pand adj2 gap)		-

-	0 ((US-4717940-\$ or US-4760431-\$ or	USPAT;	2002/05/01 20:45
	US-RE32784-\$ or US-4851889-\$ or	US-PGPUB;	
	US-4914496-\$ or US-4963972-\$ or	EPO; JPO;	
	US-5065211-\$ or US-5068704-\$ or	DERWENT;	
	US-5381025-\$ or US-5401985-\$ or	IBM TDB	
	US-5429953-\$ or US-5444271-\$ or	-	
	US-5444272-\$ or US-5461242-\$ or		
	US-5477064-\$ or US-5486709-\$ or		
	US-5498884-\$ or US-5525816-\$ or		
	US-5528058-\$ or US-5543639-\$ or		
	US-5569941-\$ or US-5610415-\$ or		
	US-5637888-\$ or US-5644150-\$ or		
i l	US-5659185-\$ or US-5091766-\$).did. or		
	(US-5124772-\$ or US-5202750-\$ or		1
	US-5210432-\$ or US-5245202-\$ or		1
	US-5293054-\$ or US-5304821-\$ or		
	US-5306930-\$ or US-5336907-\$ or		
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	US-5894149-\$ or US-5923055-\$ or		
	US-5936267-\$ or US-6020623-\$ or		
	US-6054728-\$ or US-RE36818-\$ or		
	US-6107649-\$).did. or (US-6111278-\$ or		
	US-6111290-\$ or US-6169299-\$ or		
	US-6198115-\$ or US-6218217-\$ or		
	US-6271545-\$ or US-6278140-\$ or		
	US-6313485-\$ or US-4032958-\$ or		
	US-4053921-\$ or US-4062032-\$ or		
	US-3337782-\$ or US-3470036-\$).did. or		
	(US-20010005024-\$ or		
	US-20020024056-\$).did. or (JP-06061479-\$		
	or JP-06151825-\$ or JP-01270352-\$ or		
	JP-02296370-\$ or JP-03070176-\$ or		
	JP-03116874-\$ or JP-04240775-\$ or		
10	JP-04317375-\$ or JP-04357875-\$).did.) and	]	
	(block\$3 or buffer or stop\$4) adj (region		
	or film or layer) near20 (indium or		
	tellurium or selenium of sulfur or in or	,	
	se)		

Page 11

-	2	((US-4717940-\$ or US-4760431-\$ or	USPAT;	2002/05/01 20:49
	ļ	US-RE32784-\$ or US-4851889-\$ or	US-PGPUB;	
		US-4914496-\$ or US-4963972-\$ or	EPO; JPO;	
		US-5065211-\$ or US-5068704-\$ or	DERWENT;	
		US-5381025-\$ or US-5401985-\$ or	IBM_TDB	
		US-5429953-\$ or US-5444271-\$ or		
		US-5444272-\$ or US-5461242-\$ or		
		US-5477064-\$ or US-5486709-\$ or		
		US-5498884-\$ or US-5525816-\$ or		
		US-5528058-\$ or US-5543639-\$ or		
		US-5569941-\$ or US-5610415-\$ or		
		US-5637888-\$ or US-5644150-\$ or		
		US-5659185-\$ or US-5091766-\$).did. or		
		(US-5124772-\$ or US-5202750-\$ or		
		US-5210432-\$ or US-5245202-\$ or		
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		US-5365477-\$ or US-5371385-\$ or		
		US-5378903-\$ or US-5661314-\$ or		İ
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		US-5705835-\$ or US-5710445-\$ or		ĺ
	l	US-5719413-\$ or US-5793066-\$ or		
1		US-5796124-\$ or US-5844258-\$ or		
		US-5894149-\$ or US-5923055-\$ or		
		US-5936267-\$ or US-6020623-\$ or		
		US-6054728-\$ or US-RE36818-\$ or		ĺ
		US-6107649-\$).did. or (US-6111278-\$ or		
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		US-6271545-\$ or US-6278140-\$ or	4	
		US-6313485-\$ or US-4032958-\$ or		
		US-4053921-\$ or US-4062032-\$ or		
		US-3337782-\$ or US-3470036-\$).did. or		
		(US-20010005024-\$ or		
		US-20020024056-\$).did. or (JP-06061479-\$		
	[	or JP-06151825-\$ or JP-01270352-\$ or		
	İ	JP-02296370-\$ or JP-03070176-\$ or		
	[	JP-03116874-\$ or JP-04240775-\$ or		
		JP-04317375-\$ or $JP-04357875-$$ ).did.) and		
		(block\$3 or buffer or stop\$4) adj (region		
		or film or layer) and (indium or tellurium		
ł	,	or selenium of sulfur or in or se)		
		of screening of suffur of the of set	l	

_	2	((US-4717940-\$ or US-4760431-\$ or	USPAT;	2002/05/01 20:50
	1	US-RE32784-\$ or US-4851889-\$ or	US-PGPUB;	2302,03,01 20.30
1		US-4914496-\$ or US-4963972-\$ or	EPO; JPO;	
	1	US-5065211-\$ or US-5068704-\$ or	DERWENT;	1
ļ		US-5381025-\$ or US-5401985-\$ or	IBM TDB	
		US-5429953-\$ or US-5444271-\$ or	12122	
	1	US-5444272-\$ or US-5461242-\$ or		
		US-5477064-\$ or US-5486709-\$ or		
		US-5498884-\$ or US-5525816-\$ or		
		US-5528058-\$ or US-5543639-\$ or		
		US-5569941-\$ or US-5610415-\$ or		
		US-5637888-\$ or US-5644150-\$ or		
		US-5659185-\$ or US-5091766-\$).did. or		
		(US-5124772-\$ or US-5202750-\$ or		
		US-5210432-\$ or US-5245202-\$ or		
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		US-5365477-\$ or US-5371385-\$ or	İ	1
		US-5378903-\$ or US-5661314-\$ or		
		US-5679966-\$ or US-5684306-\$ or		
		US-5705835-\$ or US-5710445-\$ or		
	İ	US-5719413-\$ or US-5793066-\$ or		1
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	1	US-6054728-\$ or US-RE36818-\$ or		
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		US-6313485-\$ or US-4032958-\$ or		
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		US-3337782-\$ or US-3470036-\$).did. or		
		(US-20010005024-\$ or		
		US-20020024056-\$).did. or (JP-06061479-\$	-	
		or JP-06151825-\$ or JP-01270352-\$ or		
		JP-02296370-\$ or JP-03070176-\$ or		
		JP-03116874-\$ or JP-04240775-\$ or		
		JP-04317375-\$ or JP-04357875-\$).did.) and		
	ļ	(block\$3 or buffer or stop\$4) adj (region	1	
		or film or layer) and (indium or tellurium		
		or selenium of sulfur or in or se or te)		
	J	or seteurmy of suffer of th of se of fe)	L.,	

[-	0   ((US-4717940-\$ or US-4760431-\$ or	USPAT;	2002/05/01 20:50
1	US-RE32784-\$ or US-4851889-\$ or	US-PGPUB:	2002/03/01 20:30
	US-4914496-\$ or US-4963972-\$ or	EPO; JPO;	
1	US-5065211-\$ or US-5068704-\$ or	DERWENT;	
·	US-5381025-\$ or US-5401985-\$ or	IBM TDB	
	US-5429953-\$ or US-5444271-\$ or	100-100	
	US-5444272-\$ or US-5461242-\$ or		
1	US-5477064-\$ or US-5486709-\$ or		
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İ			
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i i	US-5659185-\$ or US-5091766-\$).did. or	-	
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	US-5365477-\$ or US-5371385-\$ or		
ľ	US-5378903-\$ or US-5661314-\$ or		
}	US-5679966-\$ or US-5684306-\$ or		1
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·	US-6054728-\$ or US-RE36818-\$ or		
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ļ	US-6198115-\$ or US-6218217-\$ or	1	ł
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	US-6313485-\$ or US-4032958-\$ or		
[	US-4053921-\$ or US-4062032-\$ or		1
	US-3337782-\$ or US-3470036-\$).did. or	]	
	(US-20010005024-\$ or		
	US-20020024056-\$).did. or (JP-06061479-\$	1	
	or JP-06151825-\$ or JP-01270352-\$ or		
	JP-02296370-\$ or JP-03070176-\$ or		
	JP-03116874-\$ or JP-04240775-\$ or		
	JP-04317375-\$ or JP-04357875-\$).did.) and		
	(block\$3 or buffer or stop\$4) adj (region		
	or film or layer) and (band near2 gap)		

1 ((US-47)1940-3 or US-480191-3 or US-487)   US-487)					
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US-5936267-% or US-6920623-% or US-5936267-% or US-6020623-% or US-6054728-% or US-R620623-% or US-6054728-% or US-R620623-% or US-6111290-% or US-6169299-% or US-6111290-% or US-6169299-% or US-6271545-% or US-6278140-% or US-6271545-% or US-6278140-% or US-6313485-% or US-6278140-% or US-6313485-% or US-6278140-% or US-2010005024-% or US-2020024056-%).did. or (US-2010005024-% or US-2010005024-% or US-0317375-% or JP-03270352-% or JP-0317375-% or JP-03070176-% or JP-0317375-% or JP-03070176-% or JP-0317315-% or JP-04240775-% or JP-04317375-% or JP-04240775-% or JP-04317375-% or JP-04240775-% or JP-04317375-% or JP-04240775-% or JP-04317375-% or JP-04357875-%).did.) and (block% or buffer or stop\$4) adj (region or film or layer) and energy adj level  457  457  607  457  458  608  609  609  609  609  609  609  60	1				
US-5936267-\$ or US-6020623-\$ or US-60178-\$ or US-6054728-\$ or US-E107649-\$).did. or (US-6111278-\$ or US-6107649-\$).did. or (US-6111278-\$ or US-6198115-\$ or US-6169299-\$ or US-6198115-\$ or US-6169299-\$ or US-6198115-\$ or US-6278140-\$ or US-6278140-\$ or US-619818-\$ or US-4052032-\$ or US-4053921-\$ or US-4062032-\$ or US-3337782-\$ or US-3470036-\$).did. or (US-20010005024-\$ or US-2020004056-\$).did. or (US-2021064056-\$).did. or (US-2021064056-\$).did. or (US-202164078-\$ or JP-03170176-\$ or JP-03116874-\$ or JP-04357875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom and 257/\$6.ccls.  - \$8\$ foreign adj atom and 257/\$6.ccls.  - \$10\$ Stop\$4 adj (zone or region or layer or film) and 257/\$6.ccls.  - \$240\$ (stop or stopping) adj (zone or region or layer or layer or film) and 257/\$6.ccls.  - \$240\$ (stop or stopping) adj zone and 257/\$6.ccls.  - \$257/\$6.ccls.  - \$8\$ (stop or stopping) adj zone and 257/\$6.ccls.  - \$8\$ (stop or stopping) adj zone and 257/\$6.ccls.  - \$8\$ (stop or stopping) adj zone and 257/\$6.ccls.  - \$8\$ (stop or stopping) adj zone and 257/\$6.ccls. US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;					
US-6107649-\$).did. or (US-6111278-\$ or US-611929-\$ or US-6119219-\$ or US-61198115-\$ or US-6119219-\$ or US-61198115-\$ or US-6218217-\$ or US-6313485-\$ or US-6228140-\$ or US-6333485-\$ or US-4032958-\$ or US-4033921-\$ or US-4062032-\$ or US-333782-\$ or US-347036-\$ or]. did. or (US-20010005024-\$ or US-2002002024056-\$).did. or (US-20010005024-\$ or US-2002002024056-\$).did. or (JP-06061479-\$ or JP-03116874-\$ or JP-03070176-\$ or JP-03116874-\$ or JP-04307875-\$).did.) and (block3 or buffer or stop54) adj (region or film or layer) and energy adj level foreign adj atom and 257/\$6.ccls.  - 36 foreign adj atom and 257/\$6.ccls.  - 37 stop\$4 adj (zone or region or layer or film) and 257/\$6.ccls.  - 347 stop\$4 adj (zone or region or layer or layer or film) and 257/\$6.ccls.  - 30 (stop or stopping) adj (zone or region or layer) US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; DE	1				
US-6111290-\$ or US-6169299-\$ or US-618112-\$ or US-6218217-\$ or US-6218217-\$ or US-6271545-\$ or US-6218217-\$ or US-6271545-\$ or US-6218217-\$ or US-4032958-\$ or US-3337782-\$ or US-3470036-\$).did. or (US-20010005024-\$ or US-20020024056-\$).did. or (US-20010005024-\$ or US-20020024056-\$).did. or (JP-06061479-\$ or JP-06151825-\$ or JP-01270352-\$ or JP-024317375-\$ or JP-0317674-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04357875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level (Soreign adj atom of film or layer) and energy adj level (US-2071060606060000000000000000000000000000			US-6054728-\$ or US-RE36818-\$ or		
US-6198115-\$ or US-6218217-\$ or US-6271545-\$ or US-6278140-\$ or US-6271545-\$ or US-6278140-\$ or US-6313485-\$ or US-4032958-\$ or US-4033921-\$ or US-4032921-\$ or US-3337782-\$ or US-347036-\$).did. or (US-20010005024-\$ or US-20010005024-\$ or US-20010005024-\$ or US-20020024056-\$).did. or (US-2001005024-\$ or US-20020024056-\$).did. or (US-2001005024-\$ or JP-0451825-\$ or JP-01270352-\$ or JP-04317375-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04317375-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04240775-\$					
US-6271545-\$ or US-6278140-\$ or US-62718485-\$ or US-403295-\$ or US-4033921-\$ or US-4062032-\$ or US-337782-\$ or US-3470036-\$).did. or (US-20010005024-\$ or US-20020024056-\$).did. or (US-20010005024-\$ or US-20020024056-\$).did. or (JP-06061479-\$ or JP-0316874-\$ or JP-03270352-\$ or JP-0316874-\$ or JP-04357875-\$ or JP-04357875-\$ or JP-04317375-\$ or JP-04357875-\$ or					
US-6313485-\$ or US-4032958-\$ or US-3337782-\$ or US-34050321-\$ or US-4062032-\$ or US-3337782-\$ or US-3407036-\$).did. or (US-2010005024-\$ or US-2010005024-\$ or US-2010005024-\$ or US-2010005024-\$ or US-2010050524-\$ or US-1070352-\$ or JP-06151825-\$ or JP-01270352-\$ or JP-03116874-\$ or JP-03247075-\$ or JP-03116874-\$ or JP-0437755-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom [USPAT; US-PGPUB; EPG; JPO; DERWENT; IBM_TDB USPAT; US-P	ł			1	]
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US-3337782-\$ or US-3470036-\$).did. or (US-20010005024-\$ or US-20010005024-\$ or US-20010005024-\$ or US-20020024056-\$).did. or (UP-06061479-\$ or JP-06151825-\$ or JP-01270352-\$ or JP-03116874-\$ or JP-04240775-\$ or JP-03116874-\$ or JP-04240775-\$ or JP-04317375-\$ or JP-04357875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom  - \$58\$ foreign adj atom and 257/\$6.ccls.  - \$58\$ foreign adj atom and 257/\$6.ccls.  - \$58\$ foreign adj atom and 257/\$6.ccls.  - \$59\$ foreign adj atom and 257/\$6.ccls.  - \$240\$ (stop or stopping) adj (zone or region or layer or layer or film) and 257/\$6.ccls.  - \$240\$ (stop or stopping) adj (zone or region or layer or film) and 257/\$6.ccls.  - \$240\$ (stop or stopping) adj zone and 257/\$6.ccls.  - \$257/\$6.ccls.  - \$257/\$6.ccls. and thyristor  - \$257/\$6.ccls. and thyristor  - \$257/\$6.ccls. and thyristor  - \$257/\$6.ccls. and thyristor				1	
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US-20020024056-\$).did. or (JP-06061479-\$ or JP-06151825-\$ or JP-01270352-\$ or JP-02296370-\$ or JP-03070176-\$ or JP-03116874-\$ or JP-04240775-\$ or JP-03137375-\$ or JP-04357875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom  457  58  foreign adj atom and 257/\$6.ccls.  58  foreign adj atom and 257/\$6.ccls.  58  foreign adj (zone or region or layer or film) and 257/\$6.ccls.  58  5002/05/02 09:37  2002/05/02 09:37  2002/05/02 09:37  2002/05/02 09:37  2002/05/02 09:37  2002/05/02 09:37  2002/05/02 09:40  USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;					
or JF-06151825-\$ or JF-01270352-\$ or JF-02296370-\$ or JF-03070176-\$ or JF-02296370-\$ or JF-03070176-\$ or JF-03116874-\$ or JF-04240775-\$ or JF-04317375-\$ or JF-04357875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom  - 457 foreign adj atom  58 foreign adj atom and 257/\$6.ccls.  58 foreign adj atom and 257/\$6.ccls.  58 foreign adj atom and 257/\$6.ccls.  59  foreign adj atom and 257/\$6.ccls.  50  color or region or layer or film) and 257/\$6.ccls.  50  color or stopping) adj (zone or region or layer or layer or film) and 257/\$6.ccls.  50  color or stopping) adj (zone or region or layer)  50  color or stopping) adj zone and 257/\$6.ccls.  50  color or stopping) adj zone and 257/\$6.ccls.  6  color or stopping) adj zone and 257/\$6.ccls.  6  color or stopping) adj zone and 257/\$6.ccls.  7  color or stopping) adj zone and 257/\$6.ccls.  8  color or stopping) adj zone and 257/\$6.ccls.  8  color or stopping) adj zone and 257/\$6.ccls.  8  color or stopping) adj zone and 257/\$6.ccls.  8  color or stopping) adj zone and 257/\$6.ccls.  9  color or stopping) adj zone and 257/\$6.ccls.  10  color or stopping) adj zone and 257/\$6.ccls.  10  color or stopping) adj zone and 257/\$6.ccls.  2002/05/02 09:41 09:42 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09:44 09					!
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JP-03116874-\$ or JP-04240775-\$ or JP-042377375-\$ or JP-04377875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level foreign adj atom  457  58 foreign adj atom and 257/\$6.ccls.  58 foreign adj atom and 257/\$6.ccls.  58 foreign adj atom and 257/\$6.ccls.  58 foreign adj atom and 257/\$6.ccls.  59  foreign adj atom and 257/\$6.ccls.  50  color or region or layer or film) and 257/\$6.ccls.  50  color or stopping) adj (zone or region or layer or layer or film) and 257/\$6.ccls.  50  color or stopping) adj (zone or region or layer or layer or film) and 257/\$6.ccls.  50  color or stopping) adj zone and 257/\$6.ccls.  50  color or stopping) adj zone and 257/\$6.ccls.  50  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.  60  color or stopping) adj zone and 257/\$6.ccls.		1			
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- 3447 stop\$4 adj (zone or region or layer or film) and 257/\$6.ccls.   DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;				,	
- 58 foreign adj atom and 257/\$6.ccls.    IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT;				EPO; JPO;	
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- 3447 stop\$4 adj (zone or region or layer or film) and 257/\$6.ccls.  2240 (stop or stopping) adj (zone or region or layer) layer or film) and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.  30 (stop or stopping) adj zone and 257/\$6.ccls.					
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		US-5477064-\$ or US-5486709-\$ or		1
		US-5498884-\$ or US-5525816-\$ or		
İ		US-5528058-\$ or US-5378903-\$ or		1
		US-5371385-\$ or US-5365477-\$ or		
		US-5637888-\$ or US-5644150-\$ or		
	1	US-5659185-\$ or US-5401985-\$ or		
1		US-5336907-\$ or US-5381025-\$ or		Į l
	İ	US-5429953-\$ or US-5304821-\$ or		
		US-5293054-\$ or US-5245202-\$ or		
		US-5210432-\$ or US-5202750-\$ or		1
		US-5124772-\$ or US-5091766-\$ or		
	•	US-5068704-\$).did. or (US-5065211-\$ or		
		US-4963972-\$ or US-4914496-\$ or		
		US-4851889-\$ or US-RE32784-\$ or		
		US-4760431-\$ or US-4717940-\$ or	}	ĺ
		US-4062032-\$ or US-4053921-\$ or		!
ļ		US-4032958-\$ or US-3470036-\$ or		
		US-3337782-\$ or US-5306930-\$).did. or		l
		(US-20010005024-\$ or		
		US-20020024056-\$).did. or (JP-06151825-\$		
		or JP-06061479-\$ or JP-04357875-\$ or	1	
	ĺ	JP-04317375-\$ or JP-04240775-\$ or		
		JP-03116874-\$ or JP-03070176-\$ or		
1		JP-02296370-\$ or JP-01270352-\$).did.) and		
		(silicon adj substrate near12 thyristor)		ĺ
-	2	("6043112").PN.	USPAT;	2002/05/02 14:33
1			US-PGPUB;	
			EPO; JPO;	
[			DERWENT;	]
[			IBM TDB	
-	2	("6043112").PN.	USPAT;	2002/05/02 15:27
			US-PGPUB;	,,
	1		EPO; JPO;	
	1		DERWENT;	1
	•		IBM TDB	]
-	1421	emitter and igbt and power and switching	USPĀT;	2002/05/02 15:28
		Jee Benda and Districting	US-PGPUB;	2002/03/02 13.20
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	40	emitter adj region and igbt.ti,ab. and	USPAT;	2002/05/02 15:29
		power adj2 device and switching	US-PGPUB;	2002/03/02 15:29
		Fr aajz acvice and swittening		
			EPO; JPO;	
			DERWENT;	
L.,			IBM TDB	

		T		
-	105	(00 000000   00 000000   00	USPAT;	2002/11/21 16:42
		US-5894149-\$ or US-5844258-\$ or	US-PGPUB;	
		US-5796124-\$ or US-5793066-\$ or	EPO; JPO;	
		US-6043112-\$ or US-5682044-\$ or	DERWENT	
		US-5569941-\$ or US-5539217-\$ or		
		US-5543639-\$ or US-5528058-\$ or		
		US-5679966-\$ or US-5684306-\$ or		
		US-5637888-\$ or US-5587594-\$ or		
		US-5610415-\$ or US-5336907-\$ or		
		US-5719413-\$ or US-5981981-\$ or		
		US-RE34158-\$ or US-4219829-\$ or		
		US-5407491-\$ or US-5574297-\$ or		
		US-5659185-\$ or US-5661314-\$).did. or		
		(US-5644150-\$ or US-6313485-\$ or		
		US-6278140-\$ or US-6271545-\$ or		
		US-6218217-\$ or US-6198115-\$ or		
		US-6169299-\$ or US-6111290-\$ or	!	•
		•		
		US-6111278-\$ or US-6107649-\$ or		
		US-RE36818-\$ or US-6054728-\$ or		
		US-6020623-\$ or US-5710445-\$ or		
		US-5705835-\$ or US-RE32784-\$ or		
		US-4963972-\$ or US-5429953-\$ or		1
		US-5457329-\$ or US-5401985-\$ or		[
1		US-5471075-\$ or US-5464994-\$ or	1	1
		US-5477064-\$ or US-4760431-\$ or	1	
<b>!</b>		US-5486709-\$ or US-5498884-\$ or		]
1		US-5504351-\$).did. or (US-5525816-\$ or		1
		US-5444272-\$ or US-5444271-\$ or		
	1	US-5461242-\$ or US-5412228-\$ or		1
		US-4062032-\$ or US-4717940-\$ or		
	l	US-5381026-\$ or US-5381025-\$ or		
		US-4053921-\$ or US-5202750-\$ or		
		US-5124772-\$ or US-5091766-\$ or		
İ		US-5359220-\$ or US-5068704-\$ or		
	i l			
1		US-5378903-\$ or US-5371385-\$ or		
		US-5365477-\$ or US-3470036-\$ or		
	l i	US-4032958-\$ or US-5304821-\$ or		
		US-4851889-\$ or US-5293054-\$ or		
		US-3337782-\$ or US-5245202-\$ or		
		US-5210432-\$ or US-5319222-\$).did. or		
		(US-5065211-\$ or US-5319221-\$ or		
		US-4914496-\$ or US-5306930-\$ or		
	1	US-5306929-\$).did. or (US-20020024056-\$ or		
	1	US-20010005024-\$).did. or (DE-3932490-\$ or		
		DE-3837748-\$ or DE-3837747-\$ or		
		US-3953243-\$ or US-5528058-\$).did. or		
		(JP-02296370-\$ or JP-03070176-\$ or		
		JP-03116874-\$ or JP-04240775-\$ or		]
		JP-04317375-\$ or JP-04357875-\$ or		
		JP-06151825-\$ or JP-01270352-\$ or		
]		JP-06061479-\$).did. or (US-5710445-\$ or		
] !		EP-1017093-\$ or US-4642669-\$ or		į
		US-5079175-\$ or DE-19909105-\$ or		
		DE-3932490-\$).did.		
_	617		HCDAM	2000/11/02 22 22
	01/	((257/144) or (257/152) or (257/163) or	USPAT;	2002/11/22 09:30
	[	(257/164) or (257/165) or (257/110)).CCLS.	US-PGPUB;	1
			EPO; JPO;	
1			DERWENT;	
		(110-110-110-110-110-110-110-110-110-110	IBM_TDB	•
-	4	(((257/144) or (257/152) or (257/163) or	USPĀT;	2004/08/10 20:45
		(257/164) or (257/165) or	US-PGPUB;	
i		(257/110)).CCLS.) and (sulfur or selenium	EPO; JPO;	1
		or s or se) near15 (doping or dopant or	DERWENT;	
[ ]		impurities or impurity or implant or	IBM TDB	
	1	implantation or band adj gap or band adj		i
		edge or energy adj level or ionization or	İ	ľ
		ionisation)	ľ	

-	1	(((,,,,,,, -	USPAT;	2002/11/22 15:03
		(257/164) or (257/165) or	US-PGPUB;	
		(257/110)).CCLS.) and (sulfur or selenium or se) near15 (doping or dopant or	EPO; JPO; DERWENT;	
		impurities or impurity or implant or	IBM TDB	
		implantation or band adj gap or band adj	100,100	
		edge or energy adj level or ionization or		
		ionisation)		
-	3	("5602048").PN.	USPAT;	2002/11/22 15:03
			US-PGPUB;	1
1			EPO; JPO;	
			DERWENT;	1
		(#	IBM_TDB	
-	"	("stop adj zone near12 block\$3 near2	USPAT;	2003/04/14 15:49
		(voltage or potential or electric adj field)").PN.	US-PGPUB;	
		lield, ).FN.	EPO; JPO; DERWENT;	
			IBM TDB	
_	2	stop adj zone near12 block\$3 near2	USPAT;	2003/04/14 16:16
		(voltage or potential or electric adj	US-PGPUB;	2003/04/14 10:16
1		field)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	0	stop adj zone near12 active near12	USPAT;	2003/04/14 16:18
	1	(on-state or on adj state) near12	US-PGPUB;	
1		(off-state or off adj state)	EPO; JPO;	
	1		DERWENT;	
1_	0	stop add sone needle at the	IBM_TDB	
-	0	stop adj zone near12 active near12 (on-state or on adj state or forward)	USPAT;	2003/04/14 16:19
		near12 (off-state or off adj state or	US-PGPUB;	
]		reverse)	EPO; JPO; DERWENT;	
			IBM TDB	
] -	0	stop adj zone near12 (on-state or on adj	USPAT;	2003/04/14 16:20
		state or forward) near12 (off-state or off	US-PGPUB;	2000/04/14 10.20
		adj state or reverse)	EPO; JPO;	
			DERWENT;	
J	_		IBM_TDB	
i -	0	stop\$4 adj zone near12 (on-state or on adj	USPAT;	2003/04/14 16:22
		state or forward) near12 (off-state or off	US-PGPUB;	
i		adj state or reverse)	EPO; JPO;	
			DERWENT;	
	n	stop\$4 adj zone near12 (on-state or on adj	IBM_TDB USPAT;	2003/04/14 16:48
	· ·	state or forward or conduction adj band)	US-PGPUB;	2003/04/14 16:48
		near12 (off-state or off adj state or	EPO; JPO;	,
		reverse or valence adj band)	DERWENT;	
		<u> </u>	IBM TDB	
-	2	gerer and rearrant the transfer of the or	USPĀT;	2003/04/14 16:49
		platinum or pt)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
-	10	stop\$4 adj zone near12 (impurities or gold	IBM_TDB	2002/04/14 15 55
	10	or au or platinum or pt)	USPAT;	2003/04/14 16:51
1		or praction of pt/	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
[ -	9		USPAT;	2003/04/14 17:04
		or au or platinum or pt) and (dopant or	US-PGPUB;	11, 11, 11, 11, 11, 11, 11, 11, 11, 11,
	i	doping or impurity or impurities)	EPO; JPO;	
			DERWENT;	
_	22	151-14 - 41 - 44 - 41	IBM_TDB	
-	33	(field adj stop\$4 adj zone or buffer)		2003/04/14 17:12
	ļ	near2 (region or layer) near6 (gold or au	US-PGPUB;	
	ĺ	or platinum or pt) and silicon and reverse	EPO; JPO;	
1			DERWENT;	
<u> </u>			IBM TDB	

-	7	(field adj stop\$4 adj zone or buffer)	USPAT;	2003/04/14 17:13
		near2 (region or layer) near6 (gold or au	US-PGPUB;	
		or platinum or pt) and silicon and reverse	EPO; JPO;	
		and forward	DERWENT;	
			IBM TDB	
_	106	(US-4053921-\$ or US-4032958-\$ or	USPAT;	2003/04/14 18:27
		US-3470036-\$ or US-5844258-\$ or	US-PGPUB;	2003/04/14 10.27
l .		US-5796124-\$ or US-5793066-\$ or		
			EPO; JPO;	
		US-6043112-\$ or US-5682044-\$ or	DERWENT	
		US-4062032-\$ or US-3337782-\$ or		ĺ
		US-4219829-\$ or US-5574297-\$ or		
		US-6313485-\$ or US-6278140-\$ or		
1		US-6271545-\$ or US-6218217-\$ or		
		US-6198115-\$ or US-6169299-\$ or		
		US-6111290-\$ or US-6111278-\$ or		
1		US-6107649-\$ or US-RE36818-\$ or		
l i		US-6054728-\$ or US-6020623-\$ or		
		US-5936267-\$ or US-5923055-\$).did. or		
		(US-5894149-\$ or US-5124772-\$ or		
	.	US-5202750-\$ or US-5210432-\$ or		
		US-5245202-\$ or US-5304821-\$ or	•	
		US-5306929-\$ or US-5378903-\$ or		
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		US-5444272-\$ or US-5293054-\$ or		
1		US-5306930-\$ or US-5407491-\$ or		
		US-5319222-\$ or US-5319221-\$ or		
		US-5336907-\$ or US-5359220-\$ or		
		US-5365477-\$ or US-5371385-\$ or		
1		US-4914496-\$ or US-4963972-\$ or		
	İ	US-5068704-\$ or US-5065211-\$ or		
ĺ		US-5091766-\$).did. or (US-5679966-\$ or		
		US-5710445-\$ or US-5525816-\$ or		
		US-5569941-\$ or US-5610415-\$ or		
		US-5587594-\$ or US-5637888-\$ or		
		US-5444271-\$ or US-5429953-\$ or		
		US-5461242-\$ or US-5457329-\$ or		
	ĺ	US-5464994-\$ or US-5471075-\$ or		
	ļ	US-5539217-\$ or US-5543639-\$ or		
		US-5528058-\$ or US-5644150-\$ or		
		US-5719413-\$ or US-4717940-\$ or		
		US-5661314-\$ or US-5659185-\$ or		
		US-5684306-\$ or US-RE34158-\$ or		
		US-RE32784-\$ or US-4760431-\$ or		
ŀ		US-5477064-\$ or US-5486709-\$).did. or		
		(US-5504351-\$ or US-5705835-\$ or		
		US-5981981-\$ or US-4851889-\$ or		
		US-5498884-\$).did. or (US-20020024056-\$ or		
		US-20010005024-\$).did. or (DE-3932490-\$ or	Ì	ļ
		DE-3837748-\$ or DE-3837747-\$ or		
		US-3953243-\$ or US-5528058-\$).did. or		
		(JP-06151825-\$ or JP-06061479-\$ or	1	
1		JP-04240775-\$ or JP-04357875-\$ or	İ	
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		JP-04317375-\$ or JP-03116874-\$ or		
		JP-02296370-\$ or JP-03070176-\$ or		
		JP-01270352-\$).did. or (US-5710445-\$ or	İ	i
		DE-3932490-\$ or EP-1017093-\$ or		
ĺ	į	US-4642669-\$ or EP-144876-\$ or		ļ
		EP-1097480-\$ or US-5079175-\$ or		
ł		DE-19909105-\$).did.		l
			_ <u></u>	

US-3470036-\$ or US-5842258-\$ or US-5796124-\$ or US-5796124-\$ or US-562044-\$ or US-5796124-\$ or US-562044-\$ or US-3404502-\$ or US-340782-\$ or US-340782-\$ or US-340782-\$ or US-340782-\$ or US-340782-\$ or US-66213485-\$ or US-621240-\$ or US-6213485-\$ or US-6212410-\$ or US-621545-\$ or US-62126217-\$ or US-6198115-\$ or US-6212627-\$ or US-6198115-\$ or US-6212627-\$ or US-6198115-\$ or US-620623-\$ or US-610764-\$ or US-620623-\$ or US-630635-\$ ). did. or US-8508267-\$ or US-850825-\$ ). did. or US-8508267-\$ or US-850825-\$ ). did. or US-850829-\$ or US-850825-\$ ). did. or US-850829-\$ or US-530821-\$ or US-530822-\$ or US-550821-\$ or US-506870-\$ or US-506870-\$ or US-506870-\$ or US-506870-\$ or US-550821-\$ or					
US-5796124-5 or US-5793066-5 or US-66043112-2 or US-66043112-3 or US-562044-5 or US-6317082-5 or US-6337702-5 or US-63270340-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6218217-5 or US-6054728-5 or US-6054728-5 or US-6056728-5 or US-620622-5 or US-6054728-5 or US-620622-5 or US-520632-5	-	0	((00 100000 1 01	USPAT;	2003/04/14 18:27
US-6043112-8 or US-5682044-9 or US-4040232-8 or US-3137878-8 or US-4219829-8 or US-5574297-5 or US-6271545-8 or US-6271545-8 or US-6271545-8 or US-6271545-8 or US-6271545-8 or US-6218217-6 or US-6271545-8 or US-6218217-8 or US-6271545-8 or US-6218217-8 or US-6271545-8 or US-62827-9 or US-528275-9 or US-52					
US-4062023-8 or US-534782-5 or US-618149-5 or US-6219829-5 or US-621841-7 or US-611149-5 or US-6278140-8 or US-6278140-8 or US-6271545-5 or US-62818149-5 or US-6111290-6 or US-6111290-6 or US-611290-6 or US-611290-6 or US-611290-6 or US-6107649-8 or US-6			1		
US-4219829-\$ or US-5574297-\$ or US-6271454-\$ or US-6271545-\$ or US-6218217-\$ or US-6271545-\$ or US-6218217-\$ or US-6198115-\$ or US-611278-\$ or US-6111278-\$ or US-6111278-\$ or US-6111278-\$ or US-6107649-\$ or US-611278-\$ or US-6054728-\$ or US-6054728-\$ or US-6054728-\$ or US-6054728-\$ or US-6054728-\$ or US-5020622-\$ or US-5202730-\$ or US-52124772-\$ or US-5202730-\$ or US-52124772-\$ or US-5202730-\$ or US-52124772-\$ or US-5202730-\$					1
US-6313465-% or US-6278140-% or US-62715470-% or US-6271545-% or US-619217-% or US-619115-% or US-6169299-% or US-6111290-% or US-6101288-% or US-6111288-% or US-6102188-% or US-6102188-% or US-6102188-% or US-6102188-% or US-6102188-% or US-6102188-% or US-6102188-% or US-61021872-% or US-528627-% or US-527272-% or US-528627-% or US-5287272-% or US-528728-% or US-528728-% or US-5381025-% or US-5381026-% or US-5381025-% or US-5381025-% or US-5381026-% or US-5381025-% or US-53810228-% or US-5381025-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-5381028-% or US-538108-% or US-538108-% or US-538108-% or US-538108-% or US-558108-% or US-598198-% or US-568118-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-588108-% or US-598198-% or US-5981				IBM_TDB	
US-6271545-\$ or US-6218217-\$ or US-6198115-\$ or US-6198115-\$ or US-6107649-\$ or US-6107649-\$ or US-6107649-\$ or US-602623-\$ or US-82681818-\$ or US-82681818-\$ or US-82681818-\$ or US-826826278-\$ or US-8268265-\$).dtd. or US-5984149-\$ or US-5124772-\$ or US-5294149-\$ or US-51247772-\$ or US-5294149-\$ or US-51247772-\$ or US-5294149-\$ or US-51247772-\$ or US-5294149-\$ or US-5124827-\$ or US-529820-\$ or US-529820-\$ or US-529820-\$ or US-529820-\$ or US-529821-\$ or					
US-6198115-\$ or US-6169299-\$ or US-61011290-\$ or US-6101128-\$ or US-61011290-\$ or US-610128-\$ or US-6054728-\$ or US-60202623-\$ or US-5934029-\$ or US-5923055-\$), did. or (US-5994149-\$ or US-5120432-\$ or US-5202750-\$ or US-5210432-\$ or US-5202750-\$ or US-5210432-\$ or US-5245202-\$ or US-5310821-\$ or US-536029-\$ or US-531025-\$ or US-536029-\$ or US-531025-\$ or US-401985-\$ or US-5110228-\$ or US-444272-\$ or US-5310304-\$ or US-444272-\$ or US-5310304-\$ or US-3440272-\$ or US-5310372-\$ or US-346074-\$ or US-5310372-\$ or US-346074-\$ or US-5310372-\$ or US-536974-\$ or US-5310372-\$ or US-508704-\$ or US-552811-\$ or US-559941-\$ or US-552816-\$ or US-559941-\$ or US-5529953-\$ or US-5559941-\$ or US-5529953-\$ or US-5544271-\$ or US-552993-\$ or US-5559941-\$ or US-5637888-\$ or US-5544271-\$ or US-552993-\$ or US-555994-\$ or US-5637888-\$ or US-555994-\$ or US-564105-\$ or US-555994-\$ or US-564105-\$ or US-555994-\$ or US-564105-\$ or US-555994-\$ or US-564105-\$ or US-555994-\$ or US-564105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-559940-\$ or US-540105-\$ or US-55991891-\$ or US-540308-\$ or US-55991891-\$ or US-540308-\$ or US-5991891-\$ or US-505835-\$ cr US-5991891-\$ or US-40005-\$ or US-5991891-\$ or US-900024056-\$ or US-5991891-\$ or US-900024056-\$ or US-5991891-\$ or US-900005-\$ or US-2900005024-\$ or US-50000705-\$ or US-39391991-\$ or US-50008-\$ or US-3939249-\$ or US-50000705-\$ or US-3939249-\$ or US-50000705-\$ or US-3939249-\$ or US-50000705-\$ or US-3939249-\$ or US-5000005-\$ or US-2900005024-\$ or US-5000000-\$ or US-2000005024-\$ or US-5000000-\$ or US-2000000000000000000000000000000000000			US-6313485-\$ or US-6278140-\$ or		
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_	2	ep-621640\$-\$.did.	USPAT;	2003/04/14 19:33
İ	_		US-PGPUB;	2003/11/0/ 18.28
ļ			EPO; JPO;	í l
İ			DERWENT;	
			•	
_	4	761240.ap.	IBM_TDB	0000/11/05 10 00
	1	701240.ap.	USPAT;	2003/11/07 18:32
ļ			US-PGPUB;	
			EPO; JPO;	
ļ	İ		DERWENT;	
	,	7.61040	IBM_TDB	
-	1	761240.ap. and stop adj zone and emitter	USPAT;	2003/11/07 18:39
		adj region	US-PGPUB;	
li			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2	ep-760528\$-\$.did.	USPAT;	2003/11/07 18:39
			US-PGPUB;	
' I			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	2	ep-760528\$-\$.did.	USPAT;	2003/11/08 11:34
			US-PGPUB;	= 000, 11, 00 11.54
			EPO; JPO;	i i
		•	DERWENT;	
_	21	emitter near12 (stop adj zone junction adj	IBM_TDB	2002/11/02 11
		termination)	USPAT;	2003/11/08 11:41
		CCLIIILII (LUII)	US-PGPUB;	
J			EPO; JPO;	ļ
ĺ	ļ		DERWENT;	
_	ا ج	omittan assulo /stan 31	IBM_TDB	
_	6	emitter near12 (stop adj zone junction adj	USPAT;	2003/11/08 12:07
	ļ	termination) and (beryllium be zinc zn	US-PGPUB;	ľ
1	İ	nickel ni cobalt co magnesium mg tin sn	EPO; JPO;	
İ	ļ	indium)	DERWENT;	
			IBM TDB	
		·		

	114	1 (110 5000054 A 110 5045000 A	T	T 0 0 0 2 7 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0
-	114	(11 11 11 11 11 11 11 11 11 11 11 11 11	USPAT;	2003/11/08 11:52
		US-5210432-\$ or US-5371385-\$ or	US-PGPUB;	
		US-5981981-\$ or US-RE34158-\$ or	EPO; JPO;	}
		US-4219829-\$ or US-5407491-\$ or	DERWENT	
		US-5574297-\$ or US-6313485-\$ or		
		US-6278140-\$ or US-6271545-\$ or		
		US-6218217-\$ or US-6198115-\$ or		
1		US-6169299-\$ or US-6111290-\$ or		
		US-6111278-\$ or US-4851889-\$ or		
		US-RE32784-\$ or US-4760431-\$ or		
		US-4717940-\$ or US-5068704-\$ or		
		US-5065211-\$ or US-4963972-\$ or		
	İ	US-4914496-\$ or US-5202750-\$).did. or		Į.
		(US-5124772-\$ or US-5091766-\$ or		
	1	US-5306930-\$ or US-5306929-\$ or		
		US-5304821-\$ or US-6107649-\$ or		
		US-RE36818-\$ or US-6054728-\$ or		
		US-6020623-\$ or US-5936267-\$ or		·
		US-5923055-\$ or US-5894149-\$ or		
		US-5844258-\$ or US-5796124-\$ or		
		US-5793066-\$ or US-6043112-\$ or		
		US-5682044-\$ or US-5464994-\$ or		
1		US-5381025-\$ or US-4062032-\$ or		
1		US-4053921-\$ or US-4032958-\$ or		
1		US-3470036-\$ or US-5444271-\$ or		
1		, , , , , , , , , , , , , , , , , , , ,		1
1		US-5429953-\$ or US-5381026-\$ or		
		US-5336907-\$).did. or (US-5461242-\$ or		}
		US-5401985-\$ or US-5365477-\$ or		
		US-5378903-\$ or US-3337782-\$ or		
		US-5319222-\$ or US-5319221-\$ or		1
		US-5359220-\$ or US-5457329-\$ or		
İ		US-5444272-\$ or US-5412228-\$ or		
		US-5486709-\$ or US-5498884-\$ or		
		US-5504351-\$ or US-5525816-\$ or		
		US-5528058-\$ or US-5539217-\$ or		
		US-5543639-\$ or US-5659185-\$ or		
		US-5644150-\$ or US-5637888-\$ or		
		US-5610415-\$ or US-5587594-\$ or		
		US-5569941-\$ or US-5719413-\$ or		
		US-5710445-\$ or US-5705835-\$).did. or		
	•	(US-5684306-\$ or US-5679966-\$ or		
		US-5661314-\$ or US-5477064-\$ or		
		US-5471075-\$).did. or (US-20030197247-\$ or		
,		US-20030122151-\$ or US-20010005024-\$ or	ļ	·
		US-20030094857-\$ or US-20030006497-\$ or	· ·	
		US-20020024056-\$).did. or (EP-760528-\$ or		
		EP-621640-\$ or US-5528058-\$ or		
1		DE-3932490-\$ or DE-3837748-\$ or		
		DE-3932490-\$ OF DE-3637748-\$ OF DE-3837747-\$ or US-3953243-\$).did. or		
		(JP-04317375-\$ or JP-04240775-\$ or		
1		JP-03116874-\$ or JP-03070176-\$ or		
		JP-02296370-\$ or JP-01270352-\$ or		
1		JP-06151825-\$ or JP-06061479-\$ or		
1				
		JP-04357875-\$).did. or (EP-144876-\$ or		
		EP-1097480-\$ or DE-19531369-\$ or		į l
		EP-621640-\$ or EP-1017093-\$ or		
1		US-4642669-\$ or DE-19909105-\$ or		
	] [	US-5079175-\$ or US-5710445-\$ or		ĺ
		DE-3932490-\$).did.		
-	16	- , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/11/08 11:53
		stop adj (layer zone) and emitter	US-PGPUB;	
			EPO; JPO;	
1			DERWENT	
-	51	power adj semiconductor.ti,ab,clm. and	USPAT;	2003/11/08 12:07
		stop adj (layer zone)	US-PGPUB;	
			EPO; JPO;	- ¥ -
			DERWENT	ļ
-	20	power adj semiconductor.ti,ab,clm. and	USPAT;	2003/11/08 12:13
		stop adj (layer zone) and (beryllium be	US-PGPUB;	
		zinc zn nickel ni cobalt co magnesium mg	EPO; JPO;	!
		tin sn indium)	DERWENT	Ī
	·		~~11/41TIAT	

-	1562	(	USPAT;	2003/11/08 12:15
		(257/139) or (257/144) or (257/147) or	US-PGPUB	
		(257/152) or (257/163) or (257/164) or		
		(257/165) or (257/341) or (257/342)).CCLS.		
-	10	( ( = - : ) = ;	USPAT;	2003/11/08 12:22
		(257/139) or (257/144) or (257/147) or	US-PGPUB	ĺ
		(257/152) or (257/163) or (257/164) or		
		(257/165) or (257/341) or		
		(257/342)).CCLS.) and stop adj (layer		
		zone) and (be beryllium cobalt magnesium		
		mg zinc zn nickel ni sn tin indium sulfur		
	100	selenium titanium ti)		
-	486		USPAT;	2003/11/08 12:22
		cobalt magnesium mg zinc zn nickel ni sn	US-PGPUB	
		tin indium sulfur selenium titanium ti)		
_	436		USPAT;	2003/11/08 12:23
		cobalt magnesium mg zinc zn nickel ni sn	US-PGPUB;	
		tin indium sulfur selenium titanium ti)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	54		USPAT;	2003/11/08 13:47
		cobalt magnesium mg zinc zn nickel ni sn	US-PGPUB;	
	ļ .	tin indium sulfur selenium titanium ti)	EPO; JPO;	
	}	and switch\$3	DERWENT;	1
	0	WO 00045000 A DED	IBM_TDB	1
_	)	WO-0004598\$-\$.DID.	USPAT;	2003/11/08 13:47
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	1
_	1	WO-200004598\$-\$.DID.	IBM_TDB	0000/44/00 45 00
	1	WO-2000040309-9.DID.	USPAT;	2003/11/08 16:38
			US-PGPUB;	]
			EPO; JPO;	
			DERWENT;	
_	2	de-3917769\$-\$.did.	IBM_TDB USPAT;	2002/11/00 16 55
		40 371/1079 Y.UIU.	· ·	2003/11/08 16:55
]			US-PGPUB;	
İ			EPO; JPO;	1
			DERWENT;	
_	1	("6043112").PN.	IBM_TDB USPAT	2002/11/00 17:17
_	551	emitter near3 drain and collector near3	USPAT	2003/11/08 17:17     2003/11/08 17:18
		source	OSEAL	7003/11/08 17:18
_	460	emitter near3 drain and collector near3	USPAT	2003/11/08 17:18
ļ	100	source and bipolar	OSEMI	2003/11/08 17:18
_	268	emitter near3 drain and collector near3	USPAT	2003/11/08 17:19
		source and bipolar and (switch switching)	USFAI	2003/11/08 17:19
_	254	emitter near3 drain near6 collector near3	USPAT	2003/11/08 17:19
ĺ		source and bipolar and (switch switching)	ODIAI	2003/11/08 1/:19
		and orpotat and (switch switching)		

	11.5	L F.C	T	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
-	116	,	USPAT;	2004/08/09 09:51
]		US-5587594-\$ or US-5610415-\$ or	US-PGPUB;	
1		US-5569941-\$ or US-5543639-\$ or	EPO; JPO;	
		US-5528058-\$ or US-5539217-\$ or	DERWENT	
		US-5407491-\$ or US-5525816-\$ or		
		US-5504351-\$ or US-5498884-\$ or		
1		US-5659185-\$ or US-5661314-\$ or		
		US-5477064-\$ or US-5471075-\$ or		·
1 [		US-5679966-\$ or US-5684306-\$ or		
1		US-5705835-\$ or US-5719413-\$ or		
1		US-5710445-\$ or US-4219829-\$ or	1	
		US-5486709-\$ or US-5461242-\$ or		
i		US-5464994-\$ or US-5491351-\$).did. or		
1		(US-6441408-\$ or US-5371385-\$ or		1
		US-5359220-\$ or US-5365477-\$ or		
		US-3337782-\$ or US-5796124-\$ or		
1		US-5793066-\$ or US-6043112-\$ or		
		US-5682044-\$ or US-5457329-\$ or	1	1
1	ļ	US-5444272-\$ or US-5444271-\$ or	1	
1	j	US-5429953-\$ or US-5412228-\$ or		
		US-5381026-\$ or US-5401985-\$ or		1
1	i	US-5378903-\$ or US-5381025-\$ or		
		US-5306929-\$ or US-5293054-\$ or		
		US-5245202-\$ or US-5306930-\$ or		
	i	US-5981981-\$ or US-RE34158-\$ or		
		US-5304821-\$ or US-5336907-\$ or		ļ
	j	US-5319222-\$).did. or (US-5319221-\$ or		
		US-5202750-\$ or US-5210432-\$ or		
1	1	US-5091766-\$ or US-5124772-\$ or		
[		US-5065211-\$ or US-5068704-\$ or		
1		US-4963972-\$ or US-4914496-\$ or		
Ī		US-4851889-\$ or US-RE32784-\$ or		
		US-4760431-\$ or US-4717940-\$ or		
1	ľ			
		US-4053921-\$ or US-4062032-\$ or		
		US-4032958-\$ or US-5574297-\$ or		ĺ
	İ	US-3470036-\$ or US-6313485-\$ or		
		US-6278140-\$ or US-6271545-\$ or		
		US-6218217-\$ or US-6198115-\$ or		
		US-6169299-\$ or US-6111290-\$ or		
		US-6111278-\$ or US-6107649-\$).did. or		
		(US-RE36818-\$ or US-6054728-\$ or		
		US-6020623-\$ or US-5936267-\$ or		
		US-5923055-\$ or US-5894149-\$ or		
		US-5844258-\$).did. or (US-20030122151-\$ or		
		US-20030197247-\$ or US-20030006497-\$ or		
İ		US-20030094857-\$ or US-20020024056-\$ or		
	1	US-20010005024-\$).did. or (EP-760528-\$ or		
		EP-621640-\$ or DE-3932490-\$ or		
		DE-3837748-\$ or DE-3837747-\$ or		
İ		US-3953243-\$ or US-5528058-\$).did. or		
		(JP-01270352-\$ or JP-02296370-\$ or		
		JP-06061479-\$ or JP-04317375-\$ or		
J		JP-04240775-\$ or JP-03116874-\$ or		
		JP-03070176-\$ or JP-06151825-\$ or		
		JP-04357875-\$).did. or (US-4642669-\$ or		
		EP-1017093-\$ or US-5079175-\$ or		
		DE-19909105-\$ or EP-144876-\$ or		
		EP-1097480-\$ or DE-19531369-\$ or		
		EP-621640-\$ or US-5710445-\$ or		
		DE-3932490-\$).did.		
		DD 0302430 Y/. UIU.		

-	2	((US-5644150-\$ or US-5637888-\$ or	USPAT;	2004/08/09 10:18
		US-5587594-\$ or US-5610415-\$ or	US-PGPUB;	
	ĺ	US-5569941-\$ or US-5543639-\$ or	EPO; JPO;	
		US-5528058-\$ or US-5539217-\$ or	DERWENT	
		US-5407491-\$ or US-5525816-\$ or		
	ļ	US-5504351-\$ or US-5498884-\$ or		1
		US-5659185-\$ or US-5661314-\$ or		
- }		US-5477064-\$ or US-5471075-\$ or		
1		US-5679966-\$ or US-5684306-\$ or		1
		US-5705835-\$ or US-5719413-\$ or		
		US-5710445-\$ or US-4219829-\$ or	İ	1
		US-5486709-\$ or US-5461242-\$ or		İ
		US-5464994-\$ or US-5491351-\$).did. or		
		(US-6441408-\$ or US-5371385-\$ or		
		US-5359220-\$ or US-5365477-\$ or		
		US-3337782-\$ or US-5796124-\$ or		1
		US-5793066-\$ or US-6043112-\$ or		
		US-5682044-\$ or US-5457329-\$ or		
		US-5444272-\$ or US-5444271-\$ or		i
		US-5429953-\$ or US-5412228-\$ or		1
		US-5381026-\$ or US-5401985-\$ or		
		US-5378903-\$ or US-5381025-\$ or	1	
		US-5306929-\$ or US-5293054-\$ or		
		US-5245202-\$ or US-5306930-\$ or		1
		US-5981981-\$ or US-RE34158-\$ or		
1		US-5304821-\$ or US-5336907-\$ or		
		US-5319222-\$).did. or (US-5319221-\$ or		
		US-5202750-\$ or US-5210432-\$ or	İ	
		US-5091766-\$ or US-5124772-\$ or		
1		US-5065211-\$ or US-5068704-\$ or		
		US-4963972-\$ or US-4914496-\$ or		
		US-4851889-\$ or US-RE32784-\$ or		]
		US-4760431-\$ or US-4717940-\$ or		ļ
		US-4053921-\$ or US-4062032-\$ or		1
		US-4032958-\$ or US-5574297-\$ or		1
		US-3470036-\$ or US-6313485-\$ or		1
		US-6278140-\$ or US-6271545-\$ or		<u> </u>
		US-6218217-\$ or US-6198115-\$ or		1
		US-6169299-\$ or US-6111290-\$ or		
1		US-6111278-\$ or US-6107649-\$).did. or		
		(US-RE36818-\$ or US-6054728-\$ or		
		US-6020623-\$ or US-5936267-\$ or		
		US-5923055-\$ or US-5894149-\$ or		1
		US-5844258-\$).did. or (US-20030122151-\$ or		
		US-20030197247-\$ or US-20030006497-\$ or		
		US-20030094857-\$ or US-20020024056-\$ or		
		US-20010005024-\$).did. or (EP-760528-\$ or		
		EP-621640-\$ or DE-3932490-\$ or		
1		DE-3837748-\$ or DE-3837747-\$ or		
1		US-3953243-\$ or US-5528058-\$).did. or		
1		(JP-01270352-\$ or JP-02296370-\$ or		
		JP-06061479-\$ or JP-04317375-\$ or		
		JP-04240775-\$ or JP-03116874-\$ or		
		JP-03070176-\$ or JP-06151825-\$ or		j .
		JP-04357875-\$).did. or (US-4642669-\$ or		
1	İ	EP-1017093-\$ or US-5079175-\$ or		j l
		DE-19909105-\$ or EP-144876-\$ or		
		EP-1097480-\$ or DE-19531369-\$ or		
		EP-621640-\$ or US-5710445-\$ or	,	
		DE-3932490-\$).did.) and stephani.in.		
-	2	("5455911").PN.	IICDAM -	2004/02/20 15 15
]	۷	( SISSET / . EN.	USPAT;	2004/08/09 10:18
1			US-PGPUB;	
	ļ		EPO; JPO;	
]			DERWENT;	ľ
1_	_ ]	/NCAFE 011 N DV	IBM_TDB	
-	2	("6455911").PN.	USPAT;	2004/08/09 10:27
			US-PGPUB;	
	İ		EPO; JPO;	1
	I		DERWENT;	1
LL			IBM TDB	

Stop adj zone	11:13 11:36 11:48
A6   stop adj zone.ti.   EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PG	11:36
DERWENT; IRM TOB	11:36
TEM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DER	11:36
Stop adj zone.ti.	11:36
Cacceptor donor) adj ioni?ation adj   DEPO; DERWENT; IBM TDB   USPAT;	11:48
Cacceptor donor) adj ioni?ation adj   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EPO; JPO; DERWENT;   IBM TDB   USPĀT;	11:48
Cacceptor donor) adj ioni?ation adj	11:48
Cacceptor donor) adj ioni?ation adj   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EFO; JPO;   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;	11:48
energ\$3  energ\$3    US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; DERWENT; IBM	11:48
Cacceptor donor) adj ioni?ation adj	
Cacceptor donor) adj ioni?ation adj   USPAT;   US-PGPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   US-PGPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   US-PGPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;   USPEPUB;   EPO; JPO; DERWENT; IBM TDB   USPAT;	
1	
1	
energ\$3 near8 (oxygen selenium sulfur)	
DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO; DERWENT;   US-PGPUB;   EPO; JPO	11:56
Stop adj zone and GaP   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   US-P	11:56
- 62 stop adj zone and GaP  4 stop adj zone near15 (selenium sulfur Oxygen)  4 stop adj zone near15 (selenium sulfur Oxygen)  24 stop adj zone and (selenium sulfur Oxygen)  25 ep-621640\$-\$.did.  26 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  27 stop adj zone near12 boron  28 stop adj zone and GaP  USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB;	11:56
Stop adj zone near15 (selenium sulfur oxygen)	11:56
EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB;	
DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB;	
- 4 stop adj zone near15 (selenium sulfur oxygen)  24 stop adj zone and (selenium sulfur oxygen)  25 stop adj zone and (selenium sulfur oxygen)  26 ep-621640\$-\$.did.  27 ep-621640\$-\$.did.  28 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  29 energ\$3 near4 (silicon "si")  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09	
stop adj zone near15 (selenium sulfur oxygen)  24 stop adj zone and (selenium sulfur oxygen)  25 stop adj zone and (selenium sulfur oxygen)  26 ep-621640\$-\$.did.  27 ep-621640\$-\$.did.  28 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  29 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09  2004/08/09	
Oxygen   US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB;	11:59
The stop adj zone and (selenium sulfur oxygen)  24 stop adj zone and (selenium sulfur oxygen)  25 stop adj zone and (selenium sulfur oxygen)  26 stop adj zone and (selenium sulfur oxygen)  27 stop adj zone and (selenium sulfur oxygen)  DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	
TEM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB; US-PGPUB;	١
24 stop adj zone and (selenium sulfur oxygen)  2 ep-621640\$-\$.did.  2 ep-621640\$-\$.did.  2 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  2 (acceptor donor) adj zone near12 boron  2 stop adj zone near12 boron  2 (stop adj zone near12 boron  2 (stop adj zone near12 boron  2 (stop adj zone near12 boron  3 (stop adj zone near12 boron  4 (stop adj zone near12 boron  5 (stop adj zone near12 boron  5 (stop adj zone near12 boron)  5 (stop adj zone near12 boron)  5 (stop adj zone near12 boron)  6 (stop adj zone near12 boron)  6 (stop adj zone near12 boron)  8 (stop adj zone near12 boron)  8 (stop adj zone near12 boron)  9 (stop adj zone near12 boron)  1 (stop adj zone near12 boron)	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; IBM_TDB US-PGPUB; IBM_TDB US-PGPUB;	
EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; US-PGPUB;	12:06
DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; US-PGPUB;	
- 2 ep-621640\$-\$.did.   IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; energ\$3 near4 (silicon "si")   US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; US-PGPUB;	
2 ep-621640\$-\$.did.  2 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  2 (acceptor donor) adj ioni?ation adj uspĀT; us-pGPUB; EPO; JPO; DERWENT; IBM_TDB uspĀT; us-pGPUB; EPO; JPO; DERWENT; IBM_TDB uspĀT; us-pGPUB; EPO; JPO; DERWENT; IBM_TDB uspĀT; us-pGPUB; Us-pGPUB;	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB;	12:44
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB;	
- 2 (acceptor donor) adj ioni?ation adj uspĀT; us-pGPUB; energ\$3 near4 (silicon "si") Us-pGPUB; EPO; JPO; DERWENT; IBM_TDB uspĀT; us-pGPUB; Stop adj zone near12 boron UspĀT; us-pGPUB;	
2 (acceptor donor) adj ioni?ation adj energ\$3 near4 (silicon "si")  1 stop adj zone near12 boron  2 (acceptor donor) adj ioni?ation adj USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB;	
energ\$3 near4 (silicon "si")  US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB;	
EPO; JPO; DERWENT; IBM_TDB USPAT; 2004/08/09 US-PGPUB;	12:24
DERWENT; IBM_TDB USPAT; US-PGPUB;	
- 1 stop adj zone near12 boron IBM_TDB USPAT; US-PGPUB; 2004/08/09	
US-PGPUB;	
	12:25
EPO; JPO;	ļ
DERWENT; IBM TDB	Í
0 znse and (stop stopping) adj zone and USPAT: 2004/08/09	12.46
(nitrogen "N") near15 zone US-PGPUB;	-2.30
EPO; JPO;	
DERWENT;	
5738 Channel add stop (stop stopping) add zono USPATA 2004/00/00	
111   111111111   111111111111111111	12:51
US-PGPUB; EPO; JPO;	
DERWENT	
5170 channel adj stop (stop stopping) adj zone USPAT; 2004/08/09	12.51
and breakdown adj voltage US-PGPUB;	
EPO; JPO;	
DERWENT	1
5168 channel adj stop (stop stopping) adj zone USPAT; 2004/08/09	İ
and breakdown adj voltage and 257/\$9.ccls. US-PGPUB;	12:52
EPO; JPO;	12:52
- 620 (channel adj stop (stop stopping) adj DERWENT USPAT; 2004/08/09	12:52
zone) and breakdown adj voltage and US-PGPUR:	
257/\$9.ccls. EPO; JPO;	
DERWENT	

-	0	(channel adj stop (stop stopping) adj	USPAT;	2004/08/09 12:53
		zone) and breakdown adj voltage and	US-PGPUB;	
		257/\$9.ccls. and znse	EPO; JPO;	
			DERWENT	
-	0	de-1983231.07\$-\$.did.	USPAT;	2004/08/09 14:40
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	7	de-1983231\$-\$.did.		2004/00/00 14 40
	1 '	de-19632319-9.did.	USPAT;	2004/08/09 14:40
			US-PGPUB;	İ
	1		EPO; JPO;	
			DERWENT;	
	1	5.610.40	IBM_TDB	
-	4	761240.ap.	USPAT;	2004/08/09 14:41
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	881	bauer.in. and stop	USPĀT;	2004/08/09 14:41
1			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
	!		IBM TDB	į į
l -	3	bauer.in. and stop adj zone and	USPAT;	2004/08/10 07:52
		brunner.in.	US-PGPUB;	2004/08/10 07:52
	İ	Stamet. III.		
			EPO; JPO;	
	1		DERWENT;	
i _	10	20004E006 6 444	IBM_TDB	
-	10	wo-20004598\$-\$.did.	USPAT;	2004/08/10 07:54
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
i			IBM TDB	
-	1	wo-200004598\$-\$.did.	USPĀT;	2004/08/10 08:09
			US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
1			IBM TDB	
-	0	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 08:11
		stop) near12 (doped doping impurity	US-PGPUB;	2001,00,10 00.11
		impurities) and acceptor adj ioni\$ation	EPO; JPO;	
		adj energ\$3	DERWENT;	
		J - J	IBM TDB	
-	2	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 08:18
ļ	_	stop) near12 (doped doping impurity	US-PGPUB;	2004/00/10 08:18
		impurities) and ioni\$ation adj energ\$3		
[	<u> </u>		EPO; JPO;	
			DERWENT;	
l _	978	((stop stopping) adj zone channel adj	IBM_TDB	0004/00/55 55 55
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	stop) part? (doned desire immediate)	USPAT;	2004/08/10 08:21
		stop) near12 (doped doping impurity	US-PGPUB;	
		impurities) and (boron Al Ga indium ni	EPO; JPO;	
	'	nickel oxygen)	DERWENT;	
[ _	700	//	IBM_TDB	
<del>-</del>	700	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 08:30
		stop) near12 (doped doping impurity	US-PGPUB;	1
		impurities) and (be beryllium cesium cs	EPO; JPO;	I
		barium ba sulfur s mn manganese ag silver	DERWENT;	I
		cd cadmium pt platinum si silicon zn zinc	IBM TDB	<b>,</b>
J		au gold co cobalt v vanadium ni nickel	_	
		molybdenum mo hg mercury sr strontium	ĺ	
	]	germanium ge cu copper potassium k sn tin		
	İ	w tungsten pb lead o oxygen iron fe)		
		near12 (doping doped impurity impurities)		ļ

-	679	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 08:30
1		stop) near12 (doped doping impurity	US-PGPUB;	
		impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver	EPO; JPO; DERWENT;	
		cd cadmium pt platinum si silicon zn zinc	IBM TDB	
İ		au gold co cobalt v vanadium ni nickel	1511_155	
		molybdenum mo hg mercury sr strontium		
		germanium ge cu copper potassium k sn tin		
		w tungsten pb lead o oxygen iron fe)		
		near12 (doping doped impurity impurities)		
		and silicon	1	
-	586	( \ F + F = 5	USPAT;	2004/08/10 08:33
		stop) near12 (doped doping impurity	US-PGPUB;	
		impurities) and (be beryllium cesium cs	EPO; JPO;	
		barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc	DERWENT; IBM TDB	
	ĺ	au gold co cobalt v vanadium ni nickel	100-100	
		molybdenum mo hg mercury sr strontium		
	1	germanium ge cu copper potassium k sn tin		İ
		w tungsten pb lead o oxygen iron fe)		
		near12 (doping doped impurity impurities)		
		and silicon and 257/\$9.ccls.		
1 -	581	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 08:34
		stop) near12 (doped doping impurity	US-PGPUB;	
		impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver	EPO; JPO;	i
		cd cadmium pt platinum si silicon zn zinc	DERWENT;	
		au gold co cobalt vanadium ni nickel	IBM_TDB	
		molybdenum mo hg mercury sr strontium		
		germanium ge cu copper potassium sn tin		
		tungsten pb lead oxygen iron fe) near12		
	,	(doping doped impurity impurities) and		
		silicon and 257/\$9.ccls.		
-	568	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 08:36
	1	stop) near12 (doped doping impurity	US-PGPUB;	
		impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd	EPO; JPO;	
		cadmium pt platinum si silicon zn zinc au	DERWENT; IBM TDB	
	i	gold co cobalt vanadium ni nickel	1011_100	
1		molybdenum mo hg mercury sr strontium		
		germanium ge cu copper potassium sn tin		
		tungsten pb oxygen iron fe) near12 (doping		
		doped impurity impurities) and silicon and		
l _	110	257/\$9.ccls.	11003 11	0004/00/55
1	110	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity	USPAT;	2004/08/10 09:23
		impurities) and (be beryllium cesium cs	US-PGPUB; EPO; JPO;	
1		barium ba sulfur mn manganese ag silver cd	DERWENT;	
		cadmium pt platinum si silicon zn zinc au	IBM TDB	
		gold co cobalt vanadium ni nickel		
		molybdenum mo hg mercury sr strontium		
İ		germanium ge cu copper potassium sn tin		
	]	tungsten pb oxygen iron fe) near12 (doping		
İ		doped impurity impurities) and silicon and 257/\$9.ccls. and emitter		
_	8	((stop stopping) adj zone channel adj	HCDAT.	2004/08/10 08:41
		stop) near12 (doped doping impurity	USPAT; US-PGPUB;	2004/08/10 08:41
		impurities) and (be beryllium cesium cs	EPO; JPO;	
		barium ba sulfur mn manganese ag silver cd	DERWENT;	
	1	cadmium pt platinum si silicon zn zinc au	IBM TDB	
		gold co cobalt vanadium ni nickel	_	
		molybdenum mo hg mercury sr strontium		
		germanium ge cu copper potassium sn tin		
]	İ	tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and		
		257/\$9.ccls. and emitter and		}
		power.ti,ab,clm.		
		A		

=	5	( ( cop corppens) and come encountry	USPAT;	2004/08/10 09:07
		stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs	US-PGPUB; EPO; JPO;	
		barium ba sulfur mn manganese ag silver cd	DERWENT;	
		cadmium pt platinum si zn zinc au gold co	IBM_TDB	
		cobalt vanadium ni nickel molybdenum mo hg	_	
		mercury sr strontium germanium ge cu		
		copper potassium sn tin tungsten pb oxygen iron fe) nearl2 (doping doped impurity		
		impurities) and silicon and 257/\$9.ccls.		
		and emitter and power.ti,ab,clm.		
-	5	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 09:10
		stop) near12 (doped doping impurity	US-PGPUB;	
	İ	impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd	EPO; JPO;	
		cadmium pt platinum si zn zinc au gold co	DERWENT; IBM TDB	
	İ	cobalt vanadium ni nickel molybdenum mo hg	12122	
1		mercury se selenium sr strontium germanium		
		ge cu copper potassium sn tin tungsten pb		
		oxygen iron fe) near12 (doping doped		
		impurity impurities) and silicon and 257/\$9.ccls. and emitter and		
		power.ti,ab,clm.	1	
-	0	((stop stopping) adj zone channel adj	USPAT;	2004/08/10 09:13
		stop) near12 (doped doping impurity	US-PGPUB;	
		impurities) and (ni nickel se selenium cu copper tellurium te oxygen iron fe) near12	EPO; JPO;	
1	1	(doping doped impurity impurities) and	DERWENT; IBM TDB	
		germanium and 257/\$9.ccls. and emitter and	1211_100	]
	}	power.ti,ab,clm.		
-	1	· · · · · · · · · · · · · · · · · · ·	USPAT;	2004/08/10 09:17
		channel adj stop) near12 (doped doping impurity impurities) and (ni nickel se	US-PGPUB;	
		selenium cu copper tellurium te oxygen	EPO; JPO; DERWENT;	
		iron fe cr chromium) near12 (doping doped	IBM TDB	
1		impurity impurities) and germanium and		
		257/\$9.ccls. and emitter and		
-	2	power.ti,ab,clm.   de-3917769\$-\$.did.	USPAT;	2004/09/10 00 07
			US-PGPUB;	2004/08/10 20:07
			EPO; JPO;	
			DERWENT;	
	110	((stop stopping) sdi ()	IBM_TDB	0004/05/55
	110	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity	USPAT;	2004/08/10 15:44
		impurities) and (be beryllium cesium cs	US-PGPUB; EPO; JPO;	
		barium ba sulfur mn manganese ag silver cd	DERWENT;	
		cadmium pt platinum si silicon zn zinc au	IBM_TDB	
		gold co cobalt vanadium ni nickel		
ĺ		molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin		
		tungsten te tellurium pb oxygen iron fe)		
		near12 (doping doped impurity impurities)		
		and silicon and 257/\$9.ccls. and emitter		
_	68	(stop stopping) adj (layer zone) and	USPAT;	2004/08/10 15:57
	İ	thyristor.ti,ab,clm.	US-PGPUB;	
			EPO; JPO; DERWENT;	
į			IBM TDB	
-	68	(stop stopping) adj (layer zone) and	USPĀT;	2004/08/10 18:02
ĺ	ĺ	thyristor.ti,ab,clm. and (stop stopping)	US-PGPUB;	
	]		EPO; JPO; DERWENT;	
İ	į į		IBM TDB	
- [	5469	GTO	USPĀT;	2004/08/10 18:04
İ			US-PGPUB;	
			EPO; JPO;	
	ĺ		DERWENT;	İ
			IBM TDB	

[ -	4	761240.ap.	USPAT;	2004/08/10 20:26
		•	US-PGPUB;	2001, 00, 10 20.20
			EPO; JPO;	
	1		DERWENT;	
			IBM TDB	
-	0	de-19832310\$-\$.did.	USPAT;	2004/08/10 20:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	ļ.
			IBM_TDB	
-	0	de-019832310\$-\$.did.	USPAT;	2004/08/10 20:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	0	(U.7.C1.0.4.0 U.) DV	IBM_TDB	
-	0	("761240.ap.").PN.	USPAT;	2004/08/10 20:46
		*	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	ĺ
l _	4	761240.ap.	IBM_TDB	2004/00/10 00 46
	· •	701240.ap.	USPAT;	2004/08/10 20:46
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
			TDH TDD	L

-	134	(US-5796124-\$ or US-5844258-\$ or	USPAT;	2004/08/10 20:53
		US-5319222-\$ or US-5319221-\$ or	US-PGPUB;	
		US-5668385-\$ or US-5719413-\$ or	EPO; JPO;	
	İ	US-5705835-\$ or US-5710445-\$ or	DERWENT	
		US-6043112-\$ or US-5682044-\$ or	ĺ	
		US-6441408-\$ or US-6660569-\$ or		
		US-6703294-\$ or US-6696705-\$ or		
		US-5793066-\$ or US-5202750-\$ or		
				1
1		US-5245202-\$ or US-5293054-\$ or		
		US-5306929-\$ or US-5306930-\$ or	*	
		US-5981981-\$ or US-RE34158-\$ or		İ
		US-5304821-\$ or US-4032958-\$ or		
		US-4062032-\$ or US-4053921-\$).did. or		4
	1	(US-4717940-\$ or US-4760431-\$ or		i
		US-RE32784-\$ or US-4851889-\$ or		
		US-4914496-\$ or US-4963972-\$ or	l	
		US-5068704-\$ or US-5065211-\$ or		
		US-5124772-\$ or US-5091766-\$ or	1	
		US-5210432-\$ or US-5574297-\$ or		
		US-6107649-\$ or US-6111278-\$ or	1	
1	ſ	US-6111290-\$ or US-6169299-\$ or	1	1
1		US-6198115-\$ or US-6218217-\$ or		
	1	US-6271545-\$ or US-6278140-\$ or		
		US-6313485-\$ or US-5894149-\$ or		
		US-5923055-\$ or US-5936267-\$ or	1	
		,	1	
		US-6020623-\$ or US-6054728-\$ or	1	ļ
		US-RE36818-\$).did. or (US-5336907-\$ or		
		US-5461242-\$ or US-5444272-\$ or		ļ
		US-5457329-\$ or US-5444271-\$ or		
		US-5429953-\$ or US-5412228-\$ or	1	
		US-5381026-\$ or US-5401985-\$ or		
		US-5378903-\$ or US-5381025-\$ or		
		US-3470036-\$ or US-3337782-\$ or		
		US-5365477-\$ or US-5371385-\$ or		
		US-5359220-\$ or US-5464994-\$ or		
		US-5543639-\$ or US-5528058-\$ or		
		US-5539217-\$ or US-5407491-\$ or		
}	1	US-5525816-\$ or US-5504351-\$ or		
		US-5498884-\$ or US-5679966-\$ or		1
1		US-5684306-\$ or US-5486709-\$).did. or		
		(US-5491351-\$ or US-5477064-\$ or		:
		US-5569941-\$ or US-5471075-\$ or		
				1
		US-5610415-\$ or US-5659185-\$ or		i i
	ļ	US-5644150-\$ or US-5637888-\$ or	1	· .
		US-4219829-\$ or US-5661314-\$ or		
		US-5587594-\$).did. or (US-20030122151-\$ or		
		US-20030197247-\$ or US-20030006497-\$ or	1	1
		US-20030094857-\$ or US-20040084724-\$ or	]	
1		US-20040137665-\$ or US-20040080015-\$ or		
		US-20010005036-\$ or US-20020024056-\$ or		
		US-20010005024-\$).did. or (DE-3932490-\$ or		]
			1	ļ Í
		DE-3837748-\$ or DE-3837747-\$ or		
		US-3953243-\$ or EP-760528-\$ or EP-621640-\$		
İ		or DE-10214176-\$ or DE-3917769-\$ or		
	1	US-5528058-\$).did. or (JP-06151825-\$ or	ļ	1
1		JP-06061479-\$ or JP-04357875-\$ or		
		JP-04317375-\$ or JP-04240775-\$ or		
	1	JP-03116874-\$ or JP-03070176-\$ or		]
		JP-02296370-\$ or JP-01270352-\$).did. or		
1	1	(EP-1017093-\$ or DE-3932490-\$ or		
		EP-144876-\$ or EP-1097480-\$ or		l l
1				
		DE-19531369-\$ or EP-621640-\$ or		
	l	DE-10243758-\$ or DE-10214176-\$ or		
		DE-10048165-\$ or DE-19731495-\$ or		1
		EP-347778-\$ or WO-200203469-\$ or		
		EP-1017093-\$ or DE-2734726-\$ or		
		DE-3917769-\$ or US-5710445-\$ or	:	1
		US-4642669-\$ or US-5079175-\$ or		
1		DE-19909105-\$).did.		ļ.
-	442	((257/107) or (257/155) or	HCDVM-	2004/00/12 == ==
1	442	((257/107) or (257/155) or (257/156)).CCLS.	USPAT;	2004/08/10 20:53
L		(231/130)).CCLS.	US-PGPUB	

	C1.C	[//OF7/107\ /057/100\ /057/110\		1 000 1 100 111 00 50
-	616	((257/107) or (257/109) or (257/110) or	USPAT;	2004/08/11 09:52
	Į	(257/155) or (257/156)).CCLS.	US-PGPUB	
<del>-</del>	0	(((257/107) or (257/109) or (257/110) or	USPAT;	2004/08/10 20:56
		(257/155) or (257/156)).CCLS.) and	US-PGPUB;	i
l		ioni\$ation adj energ\$3 near15 (stop	EPO; JPO;	
		stopping) adj (zone region layer)	DERWENT;	
			IBM TDB	ł
-	1	(((257/107) or (257/109) or (257/110) or	USPAT;	2004/08/10 20:58
ĺ		(257/155) or (257/156)).CCLS.) and (sulfur	US-PGPUB;	·
		s selenium se oxygen tellurium te zn zinc	EPO; JPO;	
		mn manganese ioni\$ation adj energ\$3)	DERWENT;	
		near15 (stop stopping) adj (zone region	IBM TDB	
		layer)		ł
_	0	("DOPANTNEAR4SULFURNEAR12SILICON").PN.	USPAT;	2004/08/10 21:14
		,	US-PGPUB	
- 1	95	sulfur near12 (impurities impurity ion adj	USPAT;	2004/08/10 21:15
		implantation) and silicon adj substrate	US-PGPUB;	2001,00,10 21.13
			EPO; JPO;	
	i		DERWENT;	
			IBM TDB	
<u>-</u>	60	sulfur near4 (impurities impurity ion adj	USPAT;	2004/08/10 21:15
	00	implantation) and silicon adj substrate	US-PGPUB;	2004/00/10 21:15
		implantation, and billoom adj substrate	EPO; JPO;	
			DERWENT;	·
			IBM TDB	